Pioneer sound.vision.soul

Home Entertainment Guide 2002-2003

SOUND. VISION. SOUL.

Step into the world of Pioneer and experience images and sounds like you've never imagined possible. Pioneer provides innovative products for all your high-tech entertainment needs – home, car audio, multimedia as well as DJ equipment. By combining cutting-edge technology with sophisticated design, our products can transport your senses to a world of fun and pure passion. This year, we've given new meaning to the phrase "home cinema". With our new digital home cinema packages and systems, home entertainment has become extremely attractive and wholly practical. You'll be more than immediately addicted to the superb-sounding surround sound zooming around your ears and sharper-than-sharp images and intense colours springing from your plasma TV. If it's state-of-the art DVD you're searching for, then look no further. Pioneer DVD-Video players brought the DVD revolution to the market. With our new additions to the line-up, you're certain to find just your definition: from the latest in DVD-Audio/Video/SACD players to portable DVD players. Craving pure sound? Then choose from one of Pioneer's extensive line-up of technology-driven A/V amplifiers and receivers. For a true reference standard designed by experts, we offer the award-winning VSA-AX10

In-Car Multimedia Systems

WORLD OF PIONEER

Computer Hardware

Multi-channel Stereophonic Amplifier. Your home cinema experience deserves no less than the sensational sound effects of Pioneer's A/V speakers.
So go ahead. Flip the page. Be sure to check out the new-look Pioneer website at

http://www.pioneer-eur.com

DARE LOOK AHEAD

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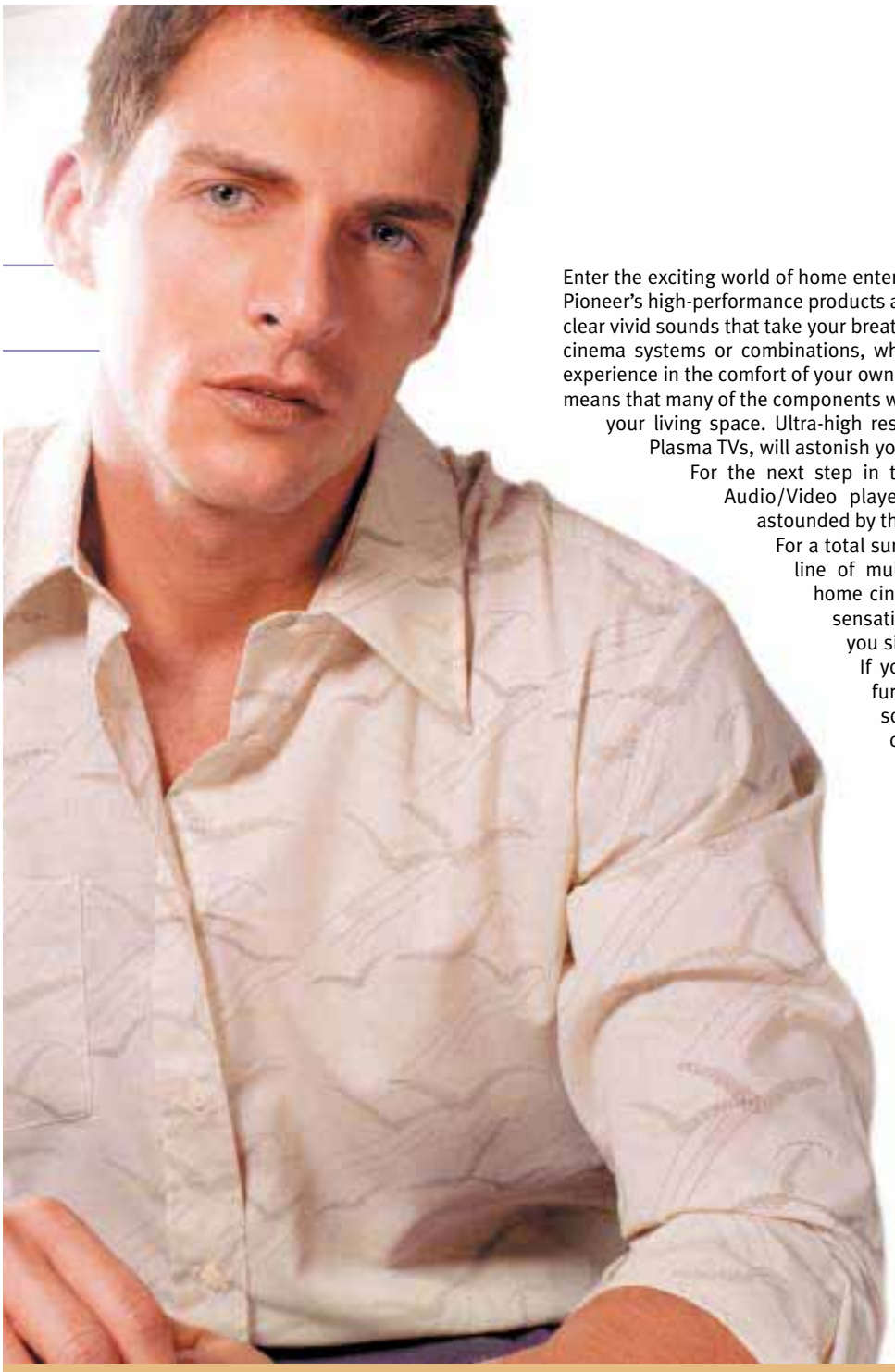


Enter the exciting world of home entertainment and be amazed.
Pioneer's high-performance products are guaranteed to deliver razor-sharp images and clear vivid sounds that take your breath away. Choose from our wide selection of home cinema systems or combinations, which deliver all the delights of the movie-going experience in the comfort of your own living space. Pioneer's attractive slimline design means that many of the components will easily fit into your interior without taking over your living space. Ultra-high resolution, used in the innovative designs of our Plasma TVs, will astonish you with brilliant, crystal clear pictures.

For the next step in the DVD revolution, we have introduced DVD-Audio/Video players that can also handle SACD. You will be astounded by the ultra-sharp images and dynamic digital sound.

For a total surround sound experience, select from the stylish line of multi-channel A/V amplifiers and receivers. Your home cinema experience deserves nothing less than the sensational sound effects of Pioneer A/V speakers – you simply won't believe your ears.

If you want good solid Hi-Fi components, look no further. And with our Audio Systems we have something to suit all tastes. Choose a sleek stylish design or go for the trendy, young look. All in all, our home entertainment products just keep getting better. They give you a glimpse of the future. Dare look ahead...

THIS IS AS “LIVE” AS IT GETS

Pioneer brings you digital home cinema at its very best, pairing crystal clear images with dynamic surround sound for a total movie experience. Choose a complete system or match components to design your own home cinema combination. Whatever your desire, we have the product that's just right for your taste, and living space.

After all, Pioneer is the leading player in the field of DVD technology and home entertainment. Select from our wide array of highly regarded products, such as our stylish slimline components that will fit sleekly into your home. The sensational DV-757Ai DVD-Audio/Video/SACD player combines state-of-the-art technology with user friendliness. If you have always dreamed of having a professional-level home studio, then experience the award-winning VSA-AX10 A/V multi-channel stereophonic amplifier. Pioneer is constantly working to bring you new technologies. A stellar example – the DVR-7000 DVD Recorder – embodies decades of forward-looking technology and the Pioneer tradition of excellence. And watch your images spellbound on one of our stunning Plasma TVs. Their bright lucid images will astonish your senses.

The freedom of choice is entirely yours.

ENGULFING VISION AND SOUND

Who other than the creators of DVD could come up with even more new and exciting options in digital home cinema? Pioneer DVD systems take you beyond what you've seen and heard so far for a personal cinematic experience that compares to no other. Our new systems offer wide versatility, reading many types of DVD formats. You'll also want to check out our new HC-41 home cinema combination, featuring the new DV-454 DVD-Video player and VSX-C100 A/V receiver. And the HC-51 combination comes with the new S-V40 speakers that you'll definitely want to hear for yourself. Right here. Right now. The experience of digital home cinema only gets better.

NS-DV88 Digital Home Cinema System

40 W x 5 + 65 W RMS

DVD VIDEO · DOLBY DIGITAL · DTS DIGITAL SURROUND · DOLBY SURROUND PRO LOGIC · MP3 · MIDNIGHT LISTENING · ADVANCED SOUND · CD·R·D·S RADIO DATA SYSTEM · PAL/NTSC

Functional yet contemporary, this all-in-one, super-sleek-designed digital home cinema system includes finishing touches like a separate ice blue display that you can place where you prefer. You won't believe such amazing sound and image quality that flies out of the sleek central unit housing the DVD/VideoCD/CD tuner. It can even playback your CD-R and CD-RW discs. Plus it's packed with Dolby Digital, DTS and MP3 decoders as well as a plethora of connections for components like your TV, VCR, CD recorder or even a set-top box with digital audio output. Completing this package are the wooden centre and satellite speakers and a subwoofer that carries the 5.1-channel surround amplifier. Count on 265 watts of astounding surround sound power and lots of stylish character.

For full product features and specifications, please see pages 62 and 63.

NS-DV77 Digital Home Cinema System

40 W x 5 + 65 W RMS

DVD VIDEO · DOLBY DIGITAL · DIGITAL SURROUND · DOLBY SURROUND PRO LOGIC · MP3 · MIDNIGHT LISTENING · ADVANCED SOUND · R·D·S RADIO DATA SYSTEM · PAL/NTSC

You like your digital home cinema sophisticated and stylish. Then, this all-in-one silver design package has your name on it. With its silver tones, this superb home cinema surround sound set is a work of art. The package includes: a centre speaker and 4 silver satellite speakers, a subwoofer power-packed with 5.1-channel surround amplifier, a central unit housing the high-tech DVD/VideoCD/CD tuner with Dolby Digital, DTS and MP3 decoders and CD-R/RW playback capability. The finishing detail: a separate ice blue display that can be placed where it suits you best... Don't hesitate to try out its wide range of connections to integrate all kinds of components to your system, such as your TV, VCR, CD recorder or even a set-top box with digital audio output.

MJ-L11 Optional MiniDisc Recorder*

*** For NS-DV88, NS-DV77, NS-11-Q and NS-11-S**

A match made in heaven, this slim model is a perfect way to record and edit MiniDiscs. Create your own compilations right in your entertainment centre so that you can take your personalised collection everywhere you go. With its special MD LP* (Long Play) feature, you'll have four times the recording time!

CT-L11 Optional Cassette Deck*

*** For NS-DV88, NS-DV77, NS-11-Q and NS-11-S**

Can't part with your favourite tapes? Not to worry. They'll still be stylish in the matching cassette deck. Just slide them into the chic slot-in deck and play.

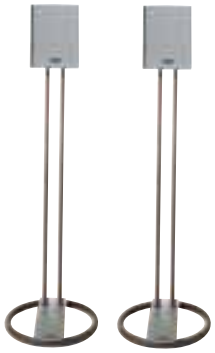
JC-L11 Optional Extension Cord*

*** For NS-DV88, NS-DV77, NS-11-Q and NS-11-S**

Add the optional 5 metre extension cord – in case you decide to move the separate display further from the main unit.

CP-F50A Optional Speaker Stand

Pioneer's CP-F50A speaker stand adds a new stylish touch to your living space. This metal finished speaker stand will surely raise your sound experience to new heights and is a perfect companion for most new and older Pioneer satellite speakers – at least those which feature a vertical fixing structure at the rear of the cabinet (a hole, nut or wall bracket) – including S-V70-II, S-V50A, S-V59-II, S-V40, S-V32-QL, S-V32-W, NS-DV77, NS-DV88 and the satellite speakers of the HTD-50.



For full product features and specifications, please see pages 62, 63, 72 and 78.

GOING DIGITAL: HOW TO BUILD YOUR OWN SYSTEM

A digital home cinema set-up may seem like a huge change, but it is not. Take a look at the simple steps below, and discover how easy it is to create your very own home cinema system.

1

Step 1: Add a DVD Player

Start out with what you have: your TV/VCR combination, stereo hi-fi speakers, CD player and amplifier. Then add a DVD-Video player to your TV/VCR combination. In addition to outstanding image quality and superb sound, DVD-Video allows you to view films in various languages, with a selection of soundtracks and subtitles. You can also enjoy other features like viewing per chapter and, on some DVDs, camera angle selection.

2

Step 2: Add an A/V Receiver or Amplifier + Centre/Rear Speakers

Add a Pioneer A/V surround amplifier or receiver as well as centre and rear speakers to experience supreme surround sound. Choose carefully because the A/V amplifier or receiver is the central component in any home cinema system, connecting all the units and amplifying sound from your TV, DVD, CD, or MiniDisc. A Pioneer A/V amplifier or receiver not only provides powerful sound, but can accept a variety of image sources, like a video camera or game console. This is especially easy if your A/V unit has input terminals on its front panel.

3

Step 3: Add an Active Subwoofer

The final touch. Add a quality subwoofer to create perfect 5.1-channel surround sound. With 6 speakers in total — 2 front, 2 rear, 1 centre and 1 subwoofer, you'll be able to enjoy Dolby Digital or DTS surround sound to its full extent. The front left and right, centre, rear left and right speakers span a wide range of frequencies and there is a dedicated low frequency speaker for extra sound impact. The subwoofer guarantees sonorous bass reproduction, just like in the cinema. Pioneer's A/V amplifiers and receivers offer built-in support for decoding compressed 5.1-channel surround sound sources, which wraps you in sound. If your existing speakers seem a bit tired, treat yourself to a completely new 5.1-channel A/V speaker set!

4

Step 4: Add Surround Back Speaker(s) for 6.1/7.1 Surround Sound

Be future proof. With THX Surround EX/Dolby Digital EX and DTS-ES, surround sound has gone one step further by adding an additional "Surround Back" channel. So adding one or two satellite speakers behind the listener means an even more impressive soundscape.

ALL-IN-ONE

One-stop Solution – buying a Digital Home Cinema System

Let Pioneer do the work for you. There's no need to go through the steps of building your own system from different components. Simply buy a complete Digital Home Cinema System with an all-in main unit plus speaker package. Or go for one of our digital home cinema combinations, including a DVD-Video player and A/V amplifier/receiver, with or without A/V speaker set. For stylish and space-saving home cinema choose from our slimline range.

DV-550 + VSX-C550-S + S-V50A **Digital Home Cinema Combination**

Amplifier 40 W x 5 RMS

Satellite 100 W Max Subwoofer 110 W RMS

DVD VIDEO · DTS DIGITAL SURROUND · DOLBY DIGITAL PRO LOGIC II · TruSurround by SRS · MPEG · MP3 · EXPANDED THEATER · MIDNIGHT LISTENING · ADVANCED SURROUND · R·D·S RADIO DATA SYSTEM · PAL/NTSC

FUJICOLOR CD COMPATIBLE

NEW

This fine digital home cinema combination includes the DV-550 – a DVD-Video Player –, the VSX-C550-S – a matching A/V receiver– and the S-V50A, a powerful A/V speaker set. Both the DVD player and A/V receiver come with a stunning half-mirror finish, half-silver design. The combination integrates slimline elegance with cutting-edge technology to provide CD-R/RW and MP3 compatibility, Coaxial/Optical digital output and a DVD-Video zoom with scroll function. The DVD-Video Player has a JPEG PhotoViewer*, so go find your CD-R to see those precious digital stills in their full magnificence on your TV. You can use the multiple connection terminals to connect source units, and the automatic speaker configuration and room set-up will assist you in the set-up. The five, streamlined satellite speakers perfectly complement the high-quality 110 W RMS subwoofer with built-in amplifier to create pure precision sound. Sleek and elegant, this smart combo will bring supreme style to your living space.

This combination is also available with the stylish S-V40 A/V speaker set.

FUJICOLOR CD COMPATIBLE **is a trademark of FUJI PHOTO FILM Co. Ltd.**

*** JPEG file compatibility: this player is compatible with FUJICOLOR CD and Kodak Picture CD formats, as well as CD-R/RW/ROMs containing JPEG files (up to 999 files). Baseline JPEG and EXIF files up to 8 megapixels are supported (maximum vertical and horizontal resolution is 5120 pixels). The CD-R/RW/ROM containing the JPEG files must be ISO 9660 Level 2 compliant. CD physical format: Mode1, Mode2 AX Form 1.**

For full product features and specifications, please see pages 64 to 69.

HC-51S Digital Home Cinema Combination

NEW

Amplifier 40 W x 5 RMS

Satellite 80 W Max Subwoofer 50 W RMS

Here is a brilliant slimline digital home cinema package composed of a DVD-Video Player, an A/V receiver and a matching A/V speaker set, stylish with its silver finish and slim enough to fit almost anywhere. Expect more than stylish looks: this combination also offers Dolby Digital, DTS and Pro Logic II for sound that makes your heart beat faster, it can even be adjusted for different listening modes. Thanks to the room set-up function, it calibrates automatically to best match the size of your room, while with the automatic speaker configuration the amplifier makes sure the surround sound is correctly divided among the number of connected speakers. An FL indicator on the receiver's display immediately shows which speakers are active. And how about an ergonomic remote control with concentrated function keys and appealing DVD operation buttons? New improved DVD GUI (Graphical User Interface) means more user-friendliness, better graphics and improved resolution of the visuals and text. The new Zoom function allows you to get a closer look at your favourite scenes. The HC-51S digital home cinema combination consists of the DV-454-S DVD-Video player, the VSX-C100-S A/V receiver and the S-V40 A/V speaker set.

HC-51K Digital Home Cinema Combination

NEW

Amplifier 40 W x 5 RMS

Satellite 80 W Max Subwoofer 50 W RMS

If your interior demands that stylish and sleek touch in something other than silver. Here is the same Slimline Digital Home Cinema Combination as the HC-51S but with a black finish.

For full product features and specifications, please see pages 64 to 69.

DV-550 + VSX-C550-S **Digital Home Cinema Combination**

Amplifier 40 W x 5 RMS

NEW

Looking for that perfect DVD-Video Player and A/V receiver combination? It's right here! With Pioneer you always expect inventive modern design but this delivers more. The DVD-Video player's half-mirror design, with flap-type door, complements the half-mirror finish, half-silver pattern of the A/V receiver. The stylish pair won't take up much room but it will produce spectacular images and sounds. CD-R/RW and MP3 compatibility, Coaxial/Optical digital output and DVD-Video zoom with scroll functions are offered by the DVD-Video Player. The player's JPEG PhotoViewer* turns digital stills from CD-R into fine vivid images on the TV. The receiver's features such as automatic speaker configuration and room set-up make installation a breeze; its display will show which input signal and speakers are active. There are various surround sound modes – ranging from mono to 5.1 surround – and listening modes. All this in a neat slimline package.

FUJICOLOR CD COMPATIBLE **is a trademark of FUJI PHOTO FILM Co. Ltd.**

*** JPEG file compatibility: this player is compatible with FUJICOLOR CD and Kodak Picture CD formats, as well as CD-R/RW/ROMs containing JPEG files (up to 999 files). Baseline JPEG and EXIF files up to 8 megapixels are supported (maximum vertical and horizontal resolution is 5120 pixels). The CD-R/RW/ROM containing the JPEG files must be ISO 9660 Level 2 compliant. CD physical format: Mode1, Mode2 AX Form 1.**

For full product features and specifications, please see pages 64 to 68.

HC-41S Digital Home Cinema Combination

Amplifier 40 W x 5 RMS

NEW

If you are looking for a DVD-Video player and A/V Receiver combination, look no further. The HC-41S is a handsome unit with a silver finish that, because of its stylish, slim design, meets your needs easily, regardless of space limitations. You have the advantage of flexible playback, combined with DTS, Dolby Digital, Dolby Pro Logic II and Virtual Dolby Digital output for great sound, so you can enjoy high-quality DVD-Video pictures. The new and improved DVD GUI (Graphical User Interface) has a larger font size with improved resolution and enhanced graphical treatments, and the operation is easier to use than ever before, thanks to the simplified remote and the GUI's streamlined menu structure.
The HC-41S digital home cinema combination consists of the DV-454-S DVD-Video player and the VSX-C100-S A/V receiver.

HC-41K Digital Home Cinema Combination

Amplifier 40 W x 5 RMS

NEW

Do you want the same stunning combination of style and technology as the HC-41S, but silver is not your colour? Here is the HC-41K. A slimline combination of a DVD-Video player and A/V receiver with a stylish black finish.
The HC-41K digital home cinema combination consists of the DV-454-K DVD-Video player and the VSX-C100-K A/V receiver.

For full product features and specifications, please see pages 64 to 68.

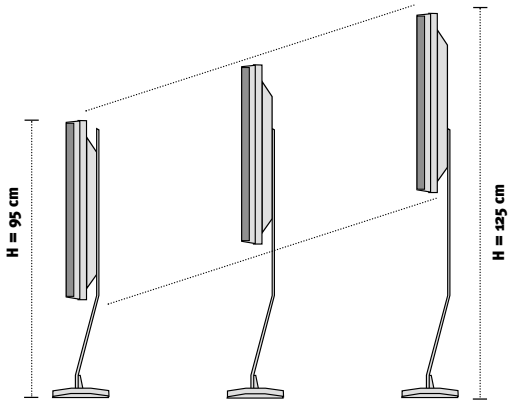
DCS-505 Digital Home Cinema System

450 W (75 W x 6) RMS

NEW

DVD VIDEO · DIGITAL SURROUND dts · DOLBY DIGITAL PRO LOGIC II · MP3 · MIDNIGHT LISTENING · ADVANCED SURROUND · R·D·S RADIO DATA SYSTEM · PAL/NTSC

DCS-505 in setting with TV



Side view front speakers DCS-505 adjustable in height

Here's a slim, stylish single DVD-Video player combined with a speaker set which includes two slender front speakers with speaker stand, adjustable in height to better fit with your TV. Good looks are a given, thanks to the aluminum half mirror effect on the front panel. Its super-slim subwoofer is compact enough for flexible installation — either horizontally or vertically — and this system offers flexible playback, including MP3. The DCS-505 headunit has a 5.1-channel amplifier with a total of 450 W (75 W x 6) RMS, plus an RDS Tuner and a DTS Decoder built right in. Dolby Digital and Pro Logic II offer you great surround sound possibilities. Pioneer even added Virtual Surround Back, giving this combination a broad variety of advanced surround sound modes.

For full product features and specifications, please see pages 62 and 63.

DCS-303 Digital Home Cinema System

450 W (75 W x 6) RMS

NEW

This slimline DVD-Video player, with a handsome aluminum and half mirror front panel mix, comes with a surround sound satellite speaker set. The super-slim subwoofer has been completely redesigned to fit into tight spots, but don't let the slim size of this unit fool you. The system still packs a wallop — 450 W (75 W x 6) RMS of power — complete with surround sound technologies, such as Dolby Digital, a DTS decoder and Pro Logic II. It also offers MP3 playback and comes with a TV pre-set remote.

HTD-50 Digital Home Cinema System

360 W (87 W x 3 + 33 W x 3) RMS

NEW

This full-featured home cinema system has everything you need: a 5-disc DVD/CD/VideoCD carousel with a built-in amplification for the 5 speakers and passive subwoofer for great sound and both Dolby Digital and DTS decoders. The big front satellite speakers provide excellent 2-channel audio reproduction. It sounds great. Looks good too, with a slanted front panel giving the unit a slimmer appearance. The 5-disc carousel allows you to keep 5 discs (DVD, CD or DVD and CD) in one "drawer", so that you can enjoy many hours of uninterrupted audio and/or DVD-Video entertainment. Centralised function keys on top make this system handy to use when placed in your rack. There is also the added benefit of easy installation thanks to the colour-coded speaker terminals.

Dolby Pro Logic II

Dolby Pro Logic II reproduces multi-channel surround sound from a variety of sound sources such as videos and CDs. Pro Logic II uses matrix decoding to put the surround rear channels in stereo and covers the full frequency range during playback, which are drastic improvements over Pro Logic. Thanks to Pro Logic II you can now approach the thrill of 5.1-channel surround sound, even from 2-channel sound sources such as TV sound and video tapes.

Room Set-up Technology (DCS-505/DCS-303)

With one easy operation you can select the size of your room (small, medium, or large) and the sound will be processed accordingly. It's as easy as pushing the ROOM SET-UP key on your remote. A few keystrokes later and the output to your speakers will be adjusted perfectly.

For full product features and specifications, please see pages 62 and 63.

THE EASE OF RECORDABLE DVD

DVR-7000 DVD Recorder

RW COMPATIBLE

This is the moment to take the leap to recordable DVD. Pioneer hands it to you with our home DVD Recorder. Now you can have everything you love about DVD — crystal clear images, high-quality digital sound, convenient size — in your own recordings. Record, re-record, edit and customise: nothing else gives you the ultimate control and versatility in home video recording. With a video resolution twice that of conventional VHS or S-VHS tapes, and no rewinding, you're sure to be convinced. It's the next logical step in the DVD revolution!

Note: Showview is a registered trademark of Gemstar Development Corporation.

RECORDING FUNCTIONS

One-touch Recording

Just press the REC button to start recording for thirty minutes. For each time you push, an additional thirty minutes will be recorded. That means for a full two hours' recording, you simply push four times. It's that straightforward.

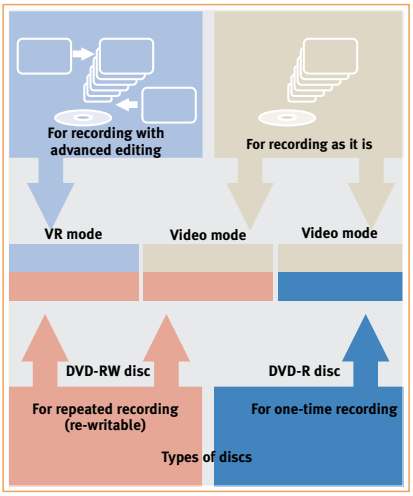
Two Convenient Recording Modes.

Both the "Video Mode" and "Video Recording (VR) Mode" are based on MPEG compression technology for real time recording of high-quality images.

"Video Mode"
With "Video Mode" recording, you can record 1 or 2 hours on one DVD-R or DVD-RW. You can playback the discs recorded by DVR-7000 on many existing DVD-Video playback systems.

"Video Recording (VR) Mode"
Using DVD-RW discs, you can record 1-6 hours depending on desired picture quality. Pioneer offers no less than 32 steps, combining variable bit rate recording with the best matching resolution. Advanced editing is possible. Playback is on "RW-Compatible" players.

On top of that, the Pioneer DVD Recorder brings you easy recording features from a variety of sources. You can easily record from a digital (external) or analogue (built-in) TV tuner. Via the i.LINK* you can record from a digital DV camcorder (digital A/V input). But you are also able to record from analogue A/V sources, like a regular VCR or an analogue camcorder.



*** The i.LINK interface is also known as IEEE1394. Firewire is a trademark. "i.LINK" and the "i.LINK" logo are trademarks of Sony Corporation. Note: in case when the DV tape contains post-recorded audio signals, either original audio signals (Stereo 1) or post-recorded audio signals (Stereo 2) will only be recorded on a DVD.**

Pioneer DVD-R/RW discs

DVS-R47A*

DVS-RW47B

*** Also available in a 5 disc package.**

Recording Formats and Playback Compatibility

'DVD-Video format' recording: The use of the DVD-Video format for recording on DVD-R and DVD-RW discs is referred to as recording in "Video Mode" on Pioneer's DVD Recorders. Supporting playback of DVD-R/DVD-RW discs is optional for manufacturers of DVD playback equipment, and there is DVD-Video playback equipment that does not play DVD-R or DVD-RW discs recorded in the DVD-Video format.
Note: 'finalisation' is required.
'Video Recording (VR) format' recording: The use of the VR format for recording on DVD-RW discs is referred to as recording in "VR Mode" on Pioneer's DVD Recorders. DVD-RW discs recorded in the VR format can be played back on Pioneer's and other companies' players that feature the "RW Compatible" indication.

For full product features and specifications, please see page 77.

EDITING FUNCTIONS

Numerous editing functions in "Video Recording (VR) Mode".
Forget multiple video decks. Turn your movie into a masterpiece using your remote control. Pioneer's GUI (Graphical User Interface) helps you each step of the way. Call up the DiscNavi and here's every advanced editing function – add, erase, move, copy, combine two chapters, undo last edit, and more, in the playlists. DiscNavi is where you access your original content. It's also where you build a playlist based on the original content. You can erase all or part of the original and free up extra recording time. Or leave it as it is and play around with the playlists. You can watch where your edits start and end on-screen. Preview final results. Even make multiple playlists based on the same content – one for the family, another for friends. The DVR-7000 plays back whatever is on your playlist, keeping your original content intact.

Finally, frame accurate editing.
Say goodbye to fumbling with tapes. To look good, you need precision. That's what you get with DVD-RW discs in "Video Recording (VR) Mode". DiscNavi lets you define exactly where you want to add – or delete – a part. You pick the very frame where editing starts and the one where it ends. Then select OK and it's done. Now that's what you call super control.

Choose where to insert the new part at exactly the frame you wish.

Define the start point of the part by selecting exact frame.

Define the end point of the part by selecting exact frame.

When you're done, select OK to add the part.

DVD-VIDEO PLAYER FUNCTIONS

All the features of a Pioneer DVD-Video player.
With this gifted Pioneer performer, you enjoy full-fledged home cinema. Connect the DVR-7000 to a Dolby Digital/DTS compatible amplifier/receiver and a multi-channel A/V surround speaker system. Now you're ready to immerse yourself in the incredible surround sound* and special effects of all the latest films. To raise your pleasure quotient to the max, it plays CDs, CD-R and CD-RW discs, and VideoCDs, too.

*** Dolby Digital/DTS/MPEG DVD-Video discs.**

Note:
CD-R/RW DVD-R/RW Playback: Discs may not be played back because of the following reasons: recording characteristics of recorder/characteristics of disc/scratch and dust on disc/dust and condensation on pickup lens or others.

CD-R/RW Playback: CD-R/RW discs for Audio recorded in CD Audio, Video CD or MP3 audio format can be played back. Unfinalised discs except those in CD Audio formatting cannot be played back. Time display may not be shown because the TOC (table-of-contents) information is lacking. You can play back the unfinalised discs in CD audio format with limited function.

Note:
When playing DTS-encoded (CDs, LDs, DVDs), excessive noise will be exhibited from the analogue stereo outputs. To avoid possible damage to the audio system, the consumer should take proper precautions when the analogue stereo outputs of the DVD player is connected to an amplification system. To enjoy DTS Digital Surround™ playback, an external 5.1-channel DTS Digital Surround™ decoder system must be connected to the digital output (S/PDIF, AES/EBU or TosLink) of the DVD player.

Find what you want to watch quickly and easily.
You'll appreciate how the DVR-7000 shows you what's recorded at a glance. Using DiscNavi in "Video Recording (VR) Mode", you call up on-screen thumbnails of still-frames from each title and even chapters within titles. Just select the thumbnail you want and push Playback – that's it. So much faster and more agreeable than winding or rewinding tapes.

For full product features and specifications, please see page 77.

THE WORLD IS WATCHING: PIONEER DVD

Want to check out the latest and the greatest in DVD-Video players? Pioneer definitely has something with you in mind. This time round it's our new DV-757Ai component DVD-Audio/Video/SACD player. Its good looks and aluminum front panel are just the starting point. You'll be even more impressed by its i.LINK digital interface and high-quality DVD-Audio features such as Speaker Management, DVD-Audio Bass Management and Virtual Dolby Digital. And if you think size matters, look no further than our new DV-U7 DVD-Video player. It's an ingenious little gem, giving you quality DVD in a truly compact package. Its ease of use and space-saving design can't be beaten. All this great news for Pioneer DVD technology — no wonder the world is watching.

DV-939A DVD-Audio/Video Player

If you are looking for a true reference source, look no further than this DVD-Audio/Video player for pure crystal-clear audio from DVD-Audio discs and high-end image quality from DVD-Video discs. Its 192 kHz/24-bit twin D/A converter flawlessly reproduces DVD-Audio pure stereo music through the left and right front channel. Another two 2 channel 96 kHz/24-bit D/A converters guarantee the utmost multi-channel sound quality. The triple-layered chassis and acoustic damper tray keep the unit and loading tray respectively stable for exceptional sound performance. And there's more. For hyper-realistic video images count on the Dual Stage Video Quality Enhancer to bring out the finest colours and sharpest picture possible. Its progressive scan circuit for NTSC produces smooth and detailed images, just like on the big screen. Of course, the DV-939A handles all the basic formats: DVD-Audio, DVD-Video, CD, VideoCD, CD-R, CD-RW and DVD-R/DVD-RW in "Video Mode". And no, you're not dreaming!

DVD-Audio: a new format is born (DV-939A, DV-757Ai, DV-656A-S, DV-656A-K)

Multi-channel Surround Sound

For true music lovers, nothing equals a live concert experience. Until now. As well as the best-ever 2 channel stereo, DVD-Audio delivers total-immersion 6-channel surround sound using a significantly higher resolution linear PCM (Pulse Code Modulation), far exceeding the frequency range of CDs. This fuller, more expressive performance makes every sound come alive.
Multi-channel sources play beautifully also in 2 channel stereo.

Advanced Information and Interactive Capability

Just like DVD-Video, DVD-Audio discs feature more than the performance. In fact, your DVD-Audio disc can be crammed full of artist bios, background information, lyrics, liner notes and more. If you want, you can even highlight different sections of the music – that's just one of several options, all easily accessed via the interactive menus. Some discs even come with videos, still photos, and connections to related websites.

Staggering Sound Realism

With CDs, it's not unusual to lose definition in fast-paced passages or with high-pitched instruments. DVD-Audio solves that problem. With a sampling frequency 4.3 times higher and a resolution 256 times finer than CDs, DVD-Audio captures the highest frequency range and separates individual notes for richer, cleaner and astoundingly true-to-life sound. DVD-Audio's ultra-high resolution and dynamic range (up to 144 dB compared to CD's 96 dB) is a result of up to 24-bit quantisation and 192 kHz sampling, a significant advance over the 16-bit and 44.1 kHz of CDs.

Ultra-high Volume Storage

Imagine an audio disc that can play continuously 400 minutes of 2-channel stereo sound at 44.1 kHz/16-bit (audio CD resolution). Or more than 1 hour of 6-channel 96 kHz/24-bit or 2 channel 192 kHz/24-bit audio. A DVD-Audio disc can. Because discs can hold so much data – 4.7 Gbytes or almost seven times a CD when using the single side/single layer format.

For full product features and specifications, please see pages 64 and 65.

DV-757Ai DVD-Audio/Video/SACD Player

NEW

If you're looking for a stunning high-quality DVD-Audio/Video/SACD player, Pioneer has what you want. The DV-757Ai DVD-Audio/Video/SACD player is unique on the market. It looks sharp and it supports all existing disc formats (DVD-Audio, SACD, SACD Multi-Channel, DVD-Video, DVD-R, DVD-RW*, CD-R, CD-RW, CD, VideoCD and MP3 on CD-R) so you have the largest possible choice of playback options. You can even enjoy Synchronous Play with a compliant A/V receiver — a Pioneer original, while the i.LINK Digital Interface allows for the transfer of digital audio information. There's of course also a coaxial/optical Digital Out and, thanks to the DVD-Audio Bass Management feature, you'll be sure to get the most from your multi-channel system. This DVD-Audio/Video/SACD player combines irresistably realistic images with sense-engulfing sound. Home cinema and multi-channel audio has never looked and sounded so good!

*** Note: in "Video Mode" and "Video Recording Mode".**

NSV (Noise Shaped Video)* Technology by ANALOG DEVICES (DV-757Ai)

The Noise Shaped Video system uses sigma-delta and bit-shuffling to shape the video or converter noise to a higher frequency. This can then be moved to an area of the spectrum where it can be easily removed by an analogue filter. This results in higher linearity and low noise, or in other words: an extremely accurate signal representation and improved picture quality.

*** Note: 'NSV', (Noise Shaped Video) is a registered trademark of ANALOG DEVICES, INC.**

108 MHz/12-bit video D/A converter and VQE7 (DV-757Ai)

You rightly demand best picture quality and realistic images as true as possible to the DVD source. The built-in 108 MHz/12-bit D/A converter responds to those demands. At the same time, Pioneer's Progressive Scan converter, the VQE7 microchip, means that the DV-757Ai DVD-Audio/Video player offers stunning moving images. This chip is so clever that it chooses the appropriate circuitry to provide the best picture for the home cinephile.

i.LINK Advanced Resolution Digital Audio Interface* (DV-757Ai)

i™ The i.LINK interface is also known as IEEE1394 or FireWire. Thanks to the support for high throughput and the existence of industry standard content protection technology, it is the ideal interface for new, demanding digital environments.
This player equipped with i.LINK Advanced Resolution Digital Audio Interface can directly and securely pass the digital content of an audio disc to a compliant amplifier or receiver. Signals passed through the interface include uncompressed formats (e.g. LPCM or DSD), as well as compressed audio formats (e.g. Dolby Digital, DTS, MPEG). Pioneer's engineers developed the i.LINK Advanced Resolution Digital Audio Interface that delivers this output** free of jitter.
The i.LINK interface even goes further, integrating support for device-to-device communication, which enables operation commands to be transferred via the i.LINK connection. Real Digital Networking at our doorstep!

*** The i.LINK interface is also known as IEEE1394. Firewire is a trademark. "i.LINK" and the "i.LINK" logo are trademarks of Sony Corporation.**

**** Except DVD-Video and VideoCD.**

Playback Compatibility (DV-757Ai)

The DV-757Ai DVD-Audio/Video/SACD player allows you to access almost every 12 cm optical disc on the market. Of course it plays CD, VideoCD, CD-R and CD-RW and DVD-Video discs, DVD-RW and DVD-R discs recorded in either "Video" or "Video Recording" mode. But did you know that this multi-skilled player also plays DVD-Audio and Super Audio CD (or SACD for short), revolutionary audio formats which deliver high-quality audio far beyond regular audio CD? So enjoy. Your eyes and ears will know the difference. This is the most format-friendly player around!

RW COMPATIBLE **Note: DVD players that have this indication can play DVD-RW discs recorded in DVD "Video Recording Mode", and of course DVD-R and DVD-RW discs recorded in "Video Mode".**

**Note: CD-R/RW DVD-R/RW Playback: Discs may not be played back because of the following reasons: recording characteristics of recorder/characteristics of disc/scratch and dust on disc/dust and condensation on pickup lens or others.
CD-R/RW Playback: CD-R/RW discs for Audio recorded in CD Audio, Video CD or MP3 audio formatting can be played back. Unfinalised discs except CD Audio formatting cannot be played back. (however because the TOC (table-of-contents) information is lacking, time display may not be shown). You can play back the unfinalised discs in audio formatting with a limited function.
DVD-R/RW Playback: DVD-R/RW discs for video, recorded in video recording mode cannot be played back. However it can be played back with DV-757Ai and DV-656A. Unfinalised discs cannot be played back.**

For full product features and specifications, please see pages 64 to 65.

DV-656A-S/DV-656A-K DVD-Audio/Video/SACD Player

NEW

DV-656A-K

This slim DVD-Audio/Video/SACD player is a real space saver. It's loaded with high tech benefits like playback compatibility supporting all common disc formats: DVD-Audio, SACD, SACD Multi-channel together with DVD-Video, DVD-R, DVD-RW*, CD-R, CD-RW, CD, VideoCD and MP3 on CD-R. DVD-Audio playback guarantees great multi-channel sound or powerful stereo. This player features built-in DTS and Dolby Digital decoders to bring you an overwhelming sound experience. It's easy to use thanks to its new, improved GUI (Graphical User Interface) and Zoom with Scroll functions**. Finally, this unit has a coaxial/optical Digital Out and it's fully integrateable, with numerous connection possibilities. This DVD-Video player is available in silver (DV-656A-S) or black (DV-656A-K).

*** Note: in Video mode and Video Recording mode.**

**** Available with Still Play only.**

Speaker Management including DVD-Audio Bass Management (DV-757Ai/DV-656A-S/DV-656A-K)

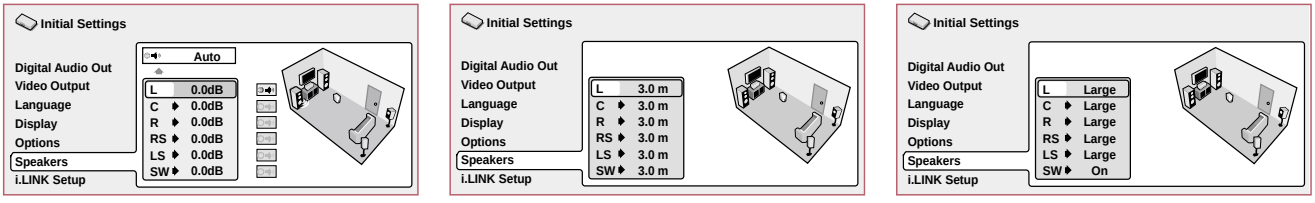
With first generation DVD-Audio players, users risked losing bass when they played DVD-Audio discs over a typical home theatre system with five smaller satellite speakers and a separate subwoofer. Now Pioneer's DV-757Ai DVD-Audio/Video/SACD player offers Bass Management Processing to overcome bass difficulties. This processing technology includes high-pass filtering of the main speakers, redirection of the bass from the main channels to the subwoofer output – all of which are essential for proper low-frequency performance with any satellite/subwoofer speaker system. Bass Management means the system can low-pass any speaker to the sub and then send the remaining frequencies to the speaker. It is just a matter of telling the DVD-Audio player how many speakers are in use, and what size they are. It is like setting up a Dolby Digital receiver, with the added benefit of an on-screen GUI.

The DV-656A-S/DV-656A-K features a similar speaker Bass Managament, with as main difference that bass redirection from satellite to the subwoofer is limited to the front speaker, only when playing certain types of multi-channel source material.

SACD (Super Audio CD)

SUPER AUDIO CD

SACD uses Direct Stream Digital (DSD) for recording and playback, featuring a frequency response of over 100 kHz and a dynamic range over 120 dB across the audible frequency range. DSD increases the resolution of music by more closely following the original waveform of the music, which results in music reproduction that is remarkably pure and faithful to the original.
In addition to exceptional sound quality through the DSD system, the SACD format can accommodate more than four times the information of the current CD format. With this extra capacity, a SACD disc provides space for 2-channel stereo data, as well as an area for up to 6-track multi-channel data, and even for text and images.
Some SACD titles are hybrid discs, i.e. discs containing one high-density layer and in addition a CD layer; this type of SACD can be played on current CD and DVD players.



DVD-Audio Bass Management GUI

For full product features and specifications, please see pages 64 and 65.

DV-550 DVD-Video Player

NEW

DVD VIDEO · DOLBY DIGITAL · dts DIGITAL OUT · TruSurround by SRS · MPEG · MP3 · PAL/NTSC

Come and take a look at a slimline DVD-Video player that really stands out in a crowd. State-of-the-art audio and video signal processing ensure superb, high-quality images combined with the added convenience of Zoom with Scroll functions, and the excellence of surround sound. It's also CD-R/RW and MP3 compatible and offers Coaxial/Optical output. What's more, the DV-550 is equipped with a JPEG PhotoViewer*. Just insert the CD-R to enjoy digital stills on your TV. The half mirror design, with a flap-type door, blends visually with the latest generation of designer TV sets, so you get the feel of a custom interior combined with incredible sound and images. And the DV-550 DVD-Video player is the perfect match for the VSX-C550-S A/V Receiver. What are you waiting for?

FUJICOLOR CD COMPATIBLE **is a trademark of FUJI PHOTO FILM Co. Ltd.**

*** JPEG file compatibility: this player is compatible with FUJICOLOR CD and Kodak Picture CD formats, as well as CD-R/RW/ROMs containing JPEG files (up to 999 files). Baseline JPEG and EXIF files up to 8 megapixels are supported (maximum vertical and horizontal resolution is 5120 pixels). The CD-R/RW/ROM containing the JPEG files must be ISO 9660 Level 2 compliant. CD physical format: Mode1, Mode2 AX Form 1.**

Note: To enjoy 5.1-channel surround sound you need an A/V amplifier or receiver equipped with Dolby Digital/DTS decoders.

Advanced Playback Compatibility

COMPACT disc DIGITAL AUDIO · COMPACT disc DIGITAL VIDEO · COMPACT disc DIGITAL AUDIO Recordable · COMPACT disc DIGITAL AUDIO Recordable ReWritable · DVD VIDEO · DVD VIDEO/RW · DVD VIDEO/R/RW

Expand your home entertainment experience with the new Home Cinema packages! Advanced playback compatibility means that you can play the full range of common digital discs: DVD-Video, DVD-RW, DVD-R, CD, VideoCD, CD-R and CD-RW. You will be in awe of material recorded on DVD-RW discs — these packages can play discs recorded in "Video mode". You can even play MP3 files that have been recorded on CD-R and CD-RW discs. All these options, plus amazing sound and supreme image quality, are yours thanks to the advanced playback compatibility these packages have.

RW COMPATIBLE **Note: DVD players which have this indication can play DVD-RW discs recorded in "DVD Video Recording" mode, and of course DVD-R and DVD-RW discs recorded in "Video Mode".**

Note:
CD-R/RW DVD-R/RW Playback: Discs may not be played back because of the following reasons: recording characteristics of recorder/characteristics of disc/scratch and dust on disc/dust and condensation on pickup lens or others.
CD-R/RW Playback: CD-R/RW discs for Audio recorded in CD Audio, Video CD or MP3 audio formatting can be played back. Unfinalised discs except CD Audio formatting cannot be played back. (however because the TOC (table-of-contents) information is lacking, time display may not be shown). You can play back the unfinalised discs in audio formatting with a limited function.
DVD-R/RW Playback: DVD-R/RW discs for video, recorded in video mode can be played back. Unfinalised discs cannot be played back.

For full product features and specifications, please see pages 64 and 65.

DV-454-S/DV-454-K DVD-Video Player

NEW

DVD VIDEO · DOLBY DIGITAL · dts DIGITAL OUT · TruSurround by SRS · MPEG · MP3 · PAL/NTSC

DV-454-K

Make a statement. Here is a slimline DVD-Video player with a high silk finish to complement its modern design. Because it is only 5.5 cm high it fits almost anywhere and serves as an ideal match for the VSX-C100 A/V receiver and the S-V40 A/V speakers set. Offering full playback of DVD-Video discs and MP3 files, this sleek DVD-Video unit is leading the way to the future. Even better, it is easy to use thanks to its new, advanced GUI (Graphical User Interface), while the Disc Navigator handles all types of discs (DVD/VideoCD/CD/CD-R/CD-RW/MP3 on CD-R/DVD-R & DVD-RW in Video mode). The handy Zoom with Scroll function lets you zoom in on those favourite movie moments. Your DVD-Video home cinema experience has never been as tantalising with the powerhouse sound supporting Dolby Digital and DTS digital output and a new ergonomic remote control. This DVD-Video player is available in stylish silver and classic black.

DV-350-S/DV-350-K DVD-Video Player

NEW

DVD VIDEO · DOLBY DIGITAL · dts DIGITAL OUT · TruSurround by SRS · MPEG · MP3 · PAL/NTSC

DV-350-K

Pioneer has it all. This slimline DVD-Video player offers superb high-quality images and great sound. With 5.1-channel digital streaming audio output from Dolby Digital/DTS sources, you are sure to experience new levels of extensive surround sound. More high-tech goodies include a coaxial digital output and the new Zoom with Scroll function that allows you to zoom in on the images 2 x or 4 x. All that with no fuss about complicated settings thanks to an easy set-up menu. The Disc Navigator is an easy tool to navigate through many different types of discs — DVD, VideoCD, CD and MP3 on CD-R. What are you waiting for? This DVD-Video player is available in stylish silver and classic black.

Note: To enjoy 5.1-channel surround sound you need an A/V amplifier or receiver equipped with Dolby Digital/DTS decoders.

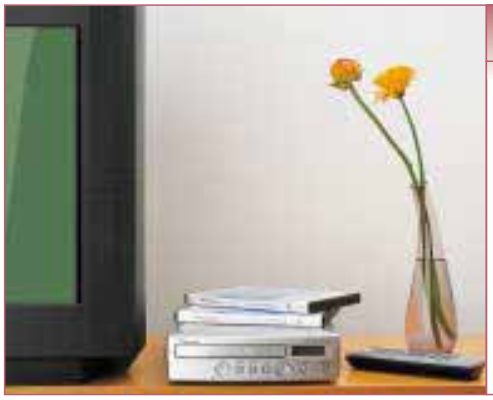
For full product features and specifications, please see pages 64 and 65.

DV-U7* DVD-Video Player

NEW

For the minimalist, this brilliant silver highly compact design DVD-Video player is only 21 cm wide. The stylish clean-looking front panel has a minimum of buttons. This environmentally friendly compact DVD-Video player has been designed to have a lower power consumption in both 'on' and 'standby' mode. Stringent environmental production requirements were taken into consideration and we have wrapped your DV-U7 in 100 % recycled packaging. Easy installation means you can plug it into your TV and play instantly. An easy-to-use ergonomic remote control allows you to easily make your way through the menu. Zoom in on those classic movie scenes. Bring the DV-U7 DVD-Video player into your living space and see how environmentally friendliness and technology can go hand in hand.

*** Not available in France and Germany.**



Compact and environmentally-friendly designed DV-U7

Pioneer is committed to sustainable development and the protection of our global environment. Therefore we bring you technology created in harmony with the health of our planet. This commitment takes many forms. In the case of the DV-U7 DVD-Video player, Pioneer facilitates recycling efforts by using foam-free packaging and lead-free soldering. When in use and as well as on standby, the DV-U7 saves on energy because of reduced power consumption.

New and improved GUI (Graphical User interface)

Pioneer's new GUI (Graphical User Interface) has a resolution of 720 x 576 dots. This provides for high-quality menus and allows for a large yet super-sharp font size so you get better legibility and easier use. An easy Disc Navigator with convenient portal structure simplifies complicated operations by way of an interactive interface presentation and supports all types of discs in Video mode, DVD/DVD-R/DVD-RW/VideoCD/CD/CD-R/CD-RW/MP3 on CD-R. The Set-up Navigator will guide you through all the necessary steps to operate by asking simple questions.

New and Improved Remote Controls

Pioneer has made all remote controls more user-friendly in order to enhance the pleasure of your home cinema experience. We have concentrated and reduced the number of functions to make operation more convenient. The buttons are grouped by functionality and the colours and materials of the remotes have been designed to complement Pioneer's DVD and A/V receivers.

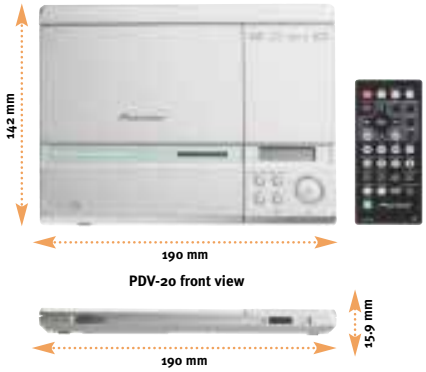
For full product features and specifications, please see pages 64 and 65.

PRACTICAL, PORTABLE DVD-VIDEO

You want flexibility. What you get is the best of Pioneer DVD technology in a streamlined player you can take with you anywhere. That's right: the high-resolution images and superior sound you've come to expect are yours wherever you go. You can never be too thin or too light. And Pioneer's portable DVD-Video players know it. Their super-slim design and thin, long-lasting lithium battery mean you never have to trade off endurance for portability. Pioneer portable DVD is designed to cover the distance. That's one more reason to get moving.

PDV-20

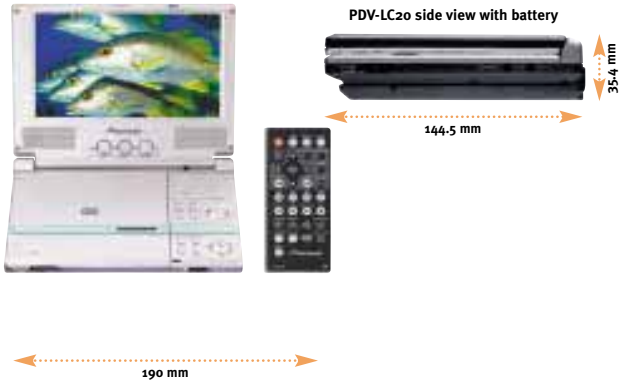
PAL/NTSC



Count on technology like DTS and Dolby Digital to make this stylish, space-saving DVD-Video unit really sing. Extremely thin (15.9 mm) and light (300 g), it guarantees years packed with home cinema entertainment. Simply plug it into any TV and A/V amplifier or receiver for pure DVD pleasure.

PDV-LC20

PAL/NTSC



Portable DVD takes on a whole new meaning – with sleek 870 g and 35.4 mm measurements (player + battery) – thanks to the new ultra-thin lithium battery and streamlined player design. With a 7.0-inch wide LCD display, built-in speaker and up to 3 hours playback time, the PDV-LC20 offers fantastic DVD-Video on the road or at home... anywhere you might be.

Plug and play

With its easy connection, just plug your Pioneer portable DVD-Video player into a TV or AV monitor in any room to watch your favourite films. Why put up with a big, bulky home entertainment system, when you can have something more your style in a sleek, compact and subtle package? This system offers you second-to-none picture quality and sound including S-video output and state-of-the-art digital audio transfer.

The slim choice

Pioneer DVD portables are certainly the slim choice with their new feather-light design. Both the PDV-20 and PDV-LC20 are super streamlined, and to top it off, there's a new 8.5 mm thin and 260 g light lithium battery. These are the thinnest and lightest players (and battery) around! Slip it into your bag and take your Pioneer DVD wherever you go. It's made to fit your lifestyle.

Form meets function

Pioneer DVD portables redefine the idea of style. A perfect match with any ensemble, their sleek profile and elegant silhouette will definitely get you noticed. And more than a pretty face, Pioneer portable DVD-Video players are extremely easy to use with a simple graphical user interface (GUI) as well as separate operating keys.

In-Car DVD!

Pioneer has a wide selection of DVD entertainment components including single DVD players and a multi-DVD changer. Try a full in-car A/V system that includes a multi-DVD player for movies in your car, plus easy-to-mount wide-screens and complete 5.1-channel surround sound. Now you can have your own in-car drive-in movie theatre.
wide-screen in-dash colour display with built-in DVD player AVX-P7300DVD and headrest-mounted wide-screen LCD colour displays AVD-W6000.

For more information about Pioneer in-car DVD entertainment, please check out "www.pioneer-eur.com" or ask your local Pioneer car audio dealer.

DVD-Video Cyber Navi System AVIC-9DVD-II, wide-screen in-dash colour display AVX-7300 and headrest-mounted wide-screen LCD colour displays AVD-W6000.

For full product features and specifications, please see pages 64 and 65.

THE SECRET OF SOUND SUCCESS

For the finest surround sound experience you need high-quality amplifiers and receivers. Pioneer leads the way in applying the latest technology, so our products are among the best in the world, like the award-winning VSA-AX10 multi-channel stereophonic amplifier. We incorporated Surround EX, DTS-ES Discrete and recently DTS 96/24 technologies to create sound that soars around your ears for a spectacular three-dimensional cinematic ambience. Pioneer was the first to introduce a full-fledged Acoustic Calibration technology (MCACC), in close collaboration with AIR Studios. The new A/V receivers VSX-D2011-S and VSX-D1011-S/K both feature MCACC. We believe in getting the best out of everything. To provide you with excellent surround sound even from non-surround sound sources, all new A/V receivers are equipped with Pro Logic II. Models with 6/7-channel amplification now come with DTS-NEO:6 technology. The DTS 96/24 technology ensures that even with your regular DTS DVD-Video discs, you'll get the superb sound quality approaching that of DVD-Audio. Sound design has reached new arenas of excellence with these Pioneer A/V amplifiers and receivers.

DTS 96/24 Decoding

Equipped with a 96 kHz/24-bit decoder, Pioneer's amplifier/receivers reproduce high-quality sound, exactly as recorded on 96 kHz, 24-bit master tapes in the studio. The latest audio format by DTS – the multi-platform DTS 96/24 – is the first compressed surround format technology to support 96 kHz and 24-bit sound resolution and multi-channel capabilities. Backwards compatible with existing DTS decoders, you'll also be able to enjoy DTS 96/24 discs with receivers incorporating a standard DTS decoder.

True Visionaries: Sir George Martin and AIR Studios

The best sound engineers at one of the best recording studios in the world contributed an unquestionable amount of expertise to Pioneer's latest revolutionary multi-channel stereophonic amplifier/receivers. AIR Studios founder is Sir George Martin, legendary Beatles producer and Academy Award-nominated composer – one of music's most versatile and imaginative talents. Established in 1969 in London, AIR Studios is now a state-of-the-art recording complex with matchless facilities for film scoring, rock, pop, classical and orchestral work, postproduction and live events. Many of the world's most popular and renowned musical talents have worked in this unique and inspirational recording environment.

THX Ultra2 Processing And Certification (VSA-AX10)

What THX Ultra2 means for you is that you'll enjoy exciting eight channel playback performances from any multi-channel programme over the widest possible seating area. Whereas original THX Ultra was intended for Dolby Pro Logic sources, THX Ultra2 is entirely adapted to recent high-quality digital formats such as DTS and Dolby Digital. A true breakthrough in home entertainment technology, THX Ultra2 ensures optimal multi-channel music and film pleasure. In addition to THX Cinema and THX Surround EX, THX Ultra2 technology includes two new modes featuring THX ASA (Advanced Speaker Array). THX Ultra2 Cinema allows non-Surround EX-encoded, Dolby Digital 5.1 and DTS 5.1 material to be played on a seven speaker configuration. For music playback, THX MusicMode can handle all types of music formats, whether it is 5.1 encoded music or high-resolution DVD-Audio and SACD multi-channel music recordings.

VSA-AX10 Multi-channel Stereophonic A/V Amplifier

170 W x 7 DIN

NEW

EISA AWARDS HOME THEATER INNOVATION 2002-2003 Pioneer VSA-AX10

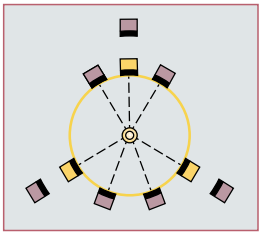
VSA-AX10 front panel open

LCD touch panel remote control

For the modern age of improving standards in recording and replay technology, Pioneer has developed a new reference standard amplifier for high fidelity sound reproduction in the home: VSA-AX10. Designed for connoisseurs who desire the very best in stereo and multi-channel music replay together with reference-class decoding of both today's and tomorrow's movie soundtrack formats, the VSA-AX10 has been designed from the ground up to be a true 'reference standard' for all audio and audio/video system applications. Pioneer's most experienced audio amplifier designers teamed up with engineering experts in sound recording at London's famous AIR Studios to design an amplifier that was worthy of the task of studio reference monitoring. With sufficient power delivery and transparency to preserve the enormous dynamic range and pure clarity of today's higher-resolution digital recordings on DVD-Audio and SACD, the VSA-AX10 includes 7.1-channel line inputs and outputs for all requirements. Under the bonnet are 7 channels of power amplification (170 watts per channel) for THX Surround EX and DTS Extended Surround AV systems. And for high-end 5.1-channel systems the VSA-AX10's seven power amplifiers can be configured for bi-amping a system's main front left and right channels. State-of-the-art digital signal processors have been employed for decoding 96/24 DTS soundtracks and the VSA-AX10 was the first amplifier in the world to receive THX Ultra2 certification. At Pioneer we describe it as a 'multi-channel stereophonic' amplifier. At AIR Studios they call it their 'monitor reference'. In your home you'll hear your favourite stereo and multi-channel recordings as the professionals heard it at the mixing desk. The VSA-AX10 amplifier will be your monitor reference standard.

Easy and Precise Set-up with Multi-channel Acoustic Calibration System

Imagine what it would be like to have a professional sound stage in your own home. With MCACC (Multi-Channel Acoustic Calibration System) the dream comes true. It's a highly advanced yet user-friendly sound field adjustment system, created by Pioneer in collaboration with AIR Studios. Implemented in our latest A/V amplifier and receivers, the MCACC comes with automatic and manual adjustment capability.
For calibrating the frequency response of each channel, the VSA-AX10 features a 9-band equaliser, whereas the VSX-D2011-S and VSX-D1011-S/ VSX-D1011-K work with 5 bands.



The speakers' distance and tone are not uniform before the adjustment. The microphone then determines size and number of speakers, distance from the listener to the speakers, and timbre and tone of speakers. After the adjustment the system is automatically equalised.

Automatic MCACC
The beauty of this system is that you can automatically adjust your home system just like professionals. The MCACC system uses a microphone to monitor the sound environment in the room from the listener's perspective. It determines the size and number of speakers, distance between the listener and speakers, and the timbre and tone of the speakers. The system then adjusts various sound parameters in each channel, giving the acoustics the perfect tonal nuances for your environment. This result is professional level customised surround sound.

Manual MCACC
The Manual MCACC does not have a microphone to act as a sensor. So, is it back to an all-manual set-up? Not quite. To help you fine-tune the "channel level" and "channel delay", we've given special test tones to each connected speaker, using the front left speaker as the reference. You'll be delighted with the extremely precise settings achieved. We've used a similar approach for the "acoustic calibration". Using the front speakers as reference, special test tones are employed to adjust the other speakers' tonality within a range of frequency bands.

For full product features and specifications, please see pages 66 to 68.

VSX-D2011-S A/V Receiver

100 W x 7 DIN

NEW

VSX-D2011-S front panel open

For an all-round, breathtaking sound experience that will take you into the future choose the VSX-D2011-S. At the heart of the high-quality sound production lies the Advanced Direct Energy MOS FET 7-channel equal power amplification (100 W x 7 DIN). The sound is enhanced by the receiver's design, which features a double layered chassis and 3-D Space Frame Construction, as well as 192 kHz/24-bit DACs for top quality reproduction. Clear precision sounds are part of Pioneer's Advanced Multi-channel Stereophonic Philosophy. The Multi-Channel Acoustic Calibration (MCACC) system with microphone monitors your sound environment and automatically adjusts your system to reach the perfect tonal level. To bring the fullest expression to the sound, the VSX-D2011-S also features THX Select, AIR Studios fine-tuning, and an Audio Scaler, which enhances the signals from any digital source to create a smoother, more natural sound. Last but not least: this versatile receiver can handle 96/24 DTS, THX Surround EX/Dolby Digital EX, DTS-ES Discrete 6.1, DTS-NEO:6 and Pro Logic II formats. On top, the Surround modes include Virtual Surround Back. It comes with multiple connectivity options and the 7.1 multi-channel input means that it's ready for future surround sound formats. And with the learning remote control unit with large LCD, the receiver is easy handled. For 'regular' 5.1-channel set-up, VSX-D2011-S can be configured to bi-amp the front left and right speakers, making it the perfect choice for audiophiles and cinephiles alike.
The VSX-D2011-S has one USB terminal for connection with PC audio sources.

Advanced Multi-Channel Stereophonic Philosophy

ADVANCED Multi-Channel Stereophonic Philosophy

In the days when we just had stereo, Pioneer went one step further and created "stereophonic". Now Pioneer is applying the same approach to multi-channel environments, with the focus on recreating both the sound and the passion of the original performance. To achieve this it has introduced an Advanced Multi-Channel Stereophonic Philosophy, based on three principles. First, to produce high-quality sounds you need top-level equipment. Next, you can only recreate perfectly precise sounds by calibrating and matching all the equipment in the listening environment. To help you do this we have developed smart tools like MCACC. And last but not least, we want to reproduce the art in the sound. So we have fine-tuned our equipment using the expertise of professionals. Thanks to our collaboration with AIR Studios and THX the artistic qualities of the original sound shine through.

For full product features and specifications, please see pages 66 to 68.

VSX-D1011-S/VSX-D1011-K A/V Receiver

100 W x 7 DIN

NEW

VSX-D1011-K front panel open

VSX-D1011-K

Get ready for the sounds of the future with this masterful A/V receiver, built according to Pioneer's Advanced Multi-channel Stereophonic Philosophy. The VSX-D1011 makes sounds come alive. It features an Advanced Direct Energy MOS FET exclusive to Pioneer for all 7-channel amplifiers with a power output of 100 W. The advanced 3-D Space frame construction, designed to enhance high-fidelity audio, includes an isolated chamber construction. With the 192 kHz/24-bit digital-to-audio converter, you will experience an exceptionally pure top sound quality. You'll hear every tiny nuance, thanks to the newly developed 'manual' Multi-Channel Acoustic Calibration (MCACC) system. The A/V receivers are compatible with the latest surround sound format, 96/24 DTS, as well as THX Surround EX/Dolby Digital EX, DTS-ES Discrete, DTS-NEO:6 and Pro Logic II. This time we've included the Virtual Surround Back surround mode to give you an even more impressive sound experience without having to add more speakers.
The newly designed remote control unit is ergonomical and easy-to-use. The 7.1 multi-channel input means you are set for future surround sound formats. Sit back and delight in the performance.

VSX-D811S-S/VSX-D811S-K A/V Receiver

100 W x 6 DIN

NEW

VSX-D811S-S front panel open

VSX-D811S-K

Interested in an overwhelming home cinema experience that will take you into the future? This A/V receiver can take on all surround formats with its 7.1-channel input and its included decoding support for DTS-ES Discrete, Dolby Digital EX, Pro Logic II and DTS-NEO:6. Its 6-channel equal power amplifiers are designed to provide output to a set-up of up to 7 speakers. Dual surround back speakers generate more natural and smooth sound stage and put you right in the middle of the action with sound flying straight over your head. The Quick Set-up makes surround set-up simple. Ease of use continues with a front optical digital input for handy connection of a portable DVD, MiniDisc, CD player or Game Console. The VSX-D811S-S A/V receiver is also available in black finish to complement any style of room.

Audio Scaler (VSX-D2011-S/VSX-D1011-S/VSX-D1011-K)

Pioneer developed a new technology called 'Audio Scaler' which can be found in the VSX-D2011-S and VSX-D1011-S/VSX-D1011-K A/V receiver. The 'Audio Scaler' is a 4-layer circuit board that improves the sound quality of stereo input sources (such as CDs or MDs) close to the level of DVD-Audio. Thanks to the built-in 192kHz/24-bit DA Converter, the signal can be converted to an analogue signal without losing any of the original recording quality. Hi-Bit conversion first enhances the low-level linear PCM signal quality to 24-bits, which results in less deterioration. At the same time, high-sampling enlarges the frequency bandwith, resulting in a very wide sound stage which stays as close as possible to the original sound source. The final result is greatly improved sound quality, not only from stereo sources, but also from multi-channel source material such as Dolby Digital or DTS encoded discs.

For full product features and specifications, please see pages 66 to 68.

VSX-D711-S/VSX-D711-K A/V Receiver

100 W x 5 DIN

NEW

VSX-D711-S front panel open

VSX-D711-K

Introducing an A/V receiver that offers a virtual surround back channel for newly introduced 6.1 formats for overwhelming surround sound. This receiver also has a Pro Logic II decoder so you can experience the enveloping surround sound even with stereo sources, like CD, tape, VideoCD and even TV programs. Thanks to the 96kHz/24-bit DAC you can now appreciate a rich, subtle, more sophisticated sound. The set-up operation is done quickly and easily and all is controlled by a new pre-programmed large remote control. Furthermore, there is an extra A/V input behind the sophisticated front door panel — convenient for connecting camcorder, game console, etc.

VSX-D511-S/VSX-D511-K A/V Receiver

80 W x 5 DIN

NEW

VSX-D511-K

Prepare yourself for the future of sound with this A/V receiver. Pro Logic II has the ability to adequately create a surround listening experience from two-channel stereo music recordings, making them sound more like a discrete Dolby Digital 5.1-channel version than ever before. This A/V receiver creates an additional virtual channel for surround back so you can better enjoy the latest 6.1 formats. Other benefits include a streamlined easy-to-use remote control to be used with Pioneer DVD players, a Quick Set-up, and an S-video terminal. The VSX-D511 A/V receiver is the perfect companion for any DVD-Video player and is looking smart in either a black or silver finish. Its quality design, with PHA*, wide range amplifier design and direct construction, improved looks and highly visible semi dot-matrix FL display make it into a versatile receiver fit for any environment.

*** Pioneer Hybrid Amplification**

Virtual Surround Back	Virtual Surround for Headphones	Front Optical Input
Surround sound becomes even more impressive. With Virtual Surround Back the left and right rear satellite speakers create a phantom sound source behind the listener, as if there were a speaker. Experience 6.1 surround sound with a 5.1 speaker set-up.	We all want to hear amazing sound quality when listening to our favourite music. Well now you can experience surround sound on your headphones. Dolby Digital and DTS bring you the ultimate sound experience through your regular headphones thanks to Pioneer's original processing. They'll make you think you are at the concert.	The optical input terminal featured on the front panel enables easy connection of a portable DVD, MiniDisc or CD player, for the utmost convenience. This terminal accepts all mainstream digital formats, including Dolby Digital, DTS and PCM. So you can enjoy the total digital home cinema from your portable players or game console.

For full product features and specifications, please see pages 66 to 68.

VSX-C550-S A/V Receiver

40 W x 5 RMS

NEW

What would you say to digital home cinema sound from a trendy, slimline receiver? The eye-catching VSX-C550-S A/V receiver has a half-mirror, half silver design that will add sophisticated style to any interior. It's the perfect match for the DV-550 DVD-Video Player. For the sheer joy of high-quality surround sound, combine it with either the S-V50A or the S-V40 A/V speaker set. You will have a number of surround modes, ranging from mono to 5.1 surround. Also included are our latest listening modes Natural and Bright, which bring you superb surround sound. Plugging in a game console or portable DVD-Video player is easy – just use the front optical digital audio input. Source units can be connected to the multiple connection terminals and installation is simple with features such as room set-up and automatic speaker configuration. The display also indicates which of the different modes is active. So if it's inspirational sounds combined with stunning good looks you want, you've come to the right place.

VSX-C100-S/VSX-C100-K A/V Receiver

40 W x 5 RMS

NEW

VSX-C100-K

This super-slim A/V receiver is designed to match the slimline DV-454 DVD-Video player and S-V40 speaker set. It brings you a variety of listening modes including Natural Mode which creates the best quality surround sound, especially in the combination of the VSX-C100 A/V receiver and the S-V40 speaker set. It supports a variety of surround modes – from mono to 5.1 surround. However elegant and streamlined it looks, this receiver is fully featured and extremely flexible! The front optical digital audio input allows you to easily plug in a game console or a portable DVD-Video player at a moment's notice. The multiple connection terminals allows you to connect a variety of source units. Installation is very easy thanks to features such as automatic speaker configuration, room set-up and visual confirmation of active speakers. The different modes will be shown on the display as well. In short, this A/V receiver — which measures only 65 mm in height — is a solid A/V performer that brings exceptional sound and stylish slim looks to your living space.

Assignable Digital Input (VSX-C550-S, VSX-C100-S, VSX-C100-K)

These receiver models have one optical input on the front panel and three inputs on the rear panel: 2 optical (one each for the TV/SAT and DVR/VCR) and 1 coaxial digital (for the DVD). But you might find that the DVD-Video player only has an optical output and no coaxial output. The answer is to assign one optical input (the one originally assigned to the TV) to the DVD-Video player instead. The DVD-Video player can then be connected via the optical input.

Pioneer Original Surround Modes (VSX-C550-S, VSX-C100-S, VSX-C100-K)

Pioneer has a wide selection of Original Surround Modes.
These Advanced Surround modes include TV Surround, which produces surround sound even for mono or stereo TV sources; Game mode for playing video games; and Phones Surround which reproduces the overall surround sound for headphone listening.

Auto Speaker Configuration

Speaker setting is performed automatically in the VSX-C100-S/VSX-C100-K and VSX-C550-S A/V Receiver. It automatically detects if a centre speaker, rear speakers and a subwoofer are connected. When a subwoofer is detected, the front speakers are set to "small", and the low frequency signals are sent to the subwoofer. When no subwoofer is connected then the front speakers are set to "large" and they will handle all low frequencies. The connected speakers are indicated on the receiver's display.

For full product features and specifications, please see pages 66 to 68.

TRUE SONIC DYNAMITE

You don't have to be an audiophile to understand the importance of quality A/V speakers in enhancing DVD surround sound. So open your ears to the most sensational audio experience you can imagine. Pioneer has a line of speakers built on the latest audio technology that deliver the absolute best in sound quality. Front, centre and rear speakers and powerful subwoofers immerse you in pure precision sound from all sides for an effect that is truly dynamic. Available either in sets or individually, according to your needs. You'll be amazed at what your ears can see.

To match European interiors and appeal to European taste, our speakers have been designed in Paris. So you get stunning sound packed in great European style.

Wrap-Around Sound

Wrap yourself in the most overwhelming surround sound reproduction and be amazed how sound can colour your home cinema experience. So pure and realistic, it makes you feel like part of the action. Dolby Digital and DTS – they paint your walls and ceilings with wrap-around sound.

S-V70-II A/V Speaker Set

Satellite 130 W Max Subwoofer 150 W RMS

Thinking about a futuristic looking home cinema system? Then this hyper-modern speaker set is a superior choice – and a perfect match. This trendy system does double duty in the realm of space-saving and powerful cinema sound, with five 130 watt Max satellite speakers and a 150 watt RMS light wood-tone active subwoofer. The S-V70-II consists of S-ST70-F (front satellite speakers), S-ST70-CR (centre and rear satellite speakers) and the S-W150S (powered subwoofer), and comes with 3 coloured grilles (black, white and burgundy) for central and satellite speakers.

Side view satellite speaker

S-V50A A/V Speaker Set

NEW

Satellite 100 W Max Subwoofer 110 W RMS

Boosts power and still keep the good looks. These five, stylish, compact satellite speakers are an excellent choice for any room, and the ideal match for the high performance 110 watt RMS subwoofer with built-in amplifier. Choose a stylish and slim design with the option of two colour variations — black or burgundy — for the grille on the satellite speakers. You'll get up to 100 W Max of pure power, stylishly packed and all magnetically shielded to prevent any interference to your TV set.
The S-V50A consists of S-F50A (front satellite speakers), S-CR50A (centre and rear satellite speakers) and S-W110S-K (active subwoofer).

For full product features and specifications, please see page 69.

S-V50-II-QL/S-V50-II-K **A/V Speaker Set**

Satellite 100 W Max Subwoofer 110 W RMS

Make a splash with this speaker set: five 100 watt Max metallic-look satellite speakers and an option between a light wood-tone or black 110 watt RMS active subwoofer. This home cinema speaker set is the perfect complement to any modern interior. The S-V50-II-QL is ideally suited to Pioneer's new slimline A/V receivers and consists of S-F50 (front satellite speakers), S-CR50 (centre and rear satellite speakers) and the S-W110S-QL (powered subwoofer). A version with a black subwoofer is also available as S-V50-II-K.

S-V59-II **A/V Speaker Set**

Satellite 100 W Max Subwoofer 110 W RMS

An excellent choice for any room, these five stylishly compact satellite speakers with 100 watt Max power are the ideal match for the new high performance 110 watt RMS subwoofer with built-in amplifier. The S-V59-II combines the S-F59 (front satellite speakers) and S-CR59 (centre and rear satellite speakers) with the new S-W110S-K (active subwoofer).

For full product features and specifications, please see page 69.

S-V40 A/V Speaker Set

NEW

Satellite 80 W Max Subwoofer 50 W RMS

Pioneer pays attention to detail. This speaker combination boasts a real aluminum finish as part of an innovative and modern design that, combined with the slimline DV-454-S or DV-454-K DVD-Video player and VSX-C100-S or VSX-C100-K A/V receiver, creates a perfect home cinema package. It is a winning combination of a 50 W RMS subwoofer and 5 satellite speakers of 80 watt Max power. All satellites are magnetically shielded to minimise interference to TV sets.
The S-V40 A/V speaker set is made up of the S-SP40 satellite speakers and the S-W40S active subwoofer, both of which are available separately.

S-V32-QL/S-V32-W A/V Speaker Set

NEW

Satellite 80 W Max Subwoofer 110 W RMS

Brighten up any interior with the timeless, light-wooden design of this slim, magnetically shielded speaker combo. It's a stunning mixture of modern design with up to 80 watt Max Power of sound for the satellite speakers and 110 watt RMS subwoofer.
You can also buy the different components in this set individually; both the S-F32-QL (front satellite speakers) and S-CR32-QL (centre and rear satellite speakers) speaker packages as well as the S-W110S-K active subwoofer.

If you prefer the classic feel of darker wood, look no further. The S-V32-W offers the same stunning combination of design and power as the S-V32-QL, but with the warmth of a deeper wood tone.

For full product features and specifications, please see page 69.

S-V510 A/V Speaker Set

100 W Max

Let the sound swirl around you from three powerful cone woofers in these stylish new floor-standing front speakers. And cinematic surround sound sweeps in from the centre and rear satellite speakers. The complete 100 watt Max S-V510 speaker system consists of S-H510V (floor-standing front speakers) combined with the S-CR59 (centre and rear satellite speakers).

S-V310-QL A/V Speaker Set

NEW

Front 100 W Max Rear & Centre 80 W Max

Sit back and relax as sound from the two powerful cone woofers of the new, front floor-speakers engulfs you in a whirlwind. Wait for the cinematic surround sound that will sweep in from the centre and rear satellite speakers. This complete speaker system with its satiny, natural, light oak wood design consists of floor-standing front speakers (S-H310V-QL) in combination with the centre and rear satellite speakers (S-CR32-QL). A maximum input power of 100 watt Max and magnetic shielding to prevent interference guarantee you a captivating sound sensation.

S-V230-QL/S-V230-W A/V Speakers

NEW

80 W Max

Looking for something a little lighter and brighter? The subtle light wood-tone finish on this slim style 3-way speaker system blends right into modern spaces and handles up to 80 W Max of input power. The floor-standing front speakers (S-H230V-QL/S-H230V-W) work with the centre and rear satellite speakers (S-CR32-QL/S-CR32-W) — all magnetically shielded — to bring you a high performance, design-style sound system.
Feeling mellow? If traditional, deep rich tones are more your style, opt for the warm wood-tone finish. This glossy 3-way speaker set was designed to deliver quality sound to every corner of the room.

For full product features and specifications, please see page 69.

S-W150S Active Subwoofer

150 W RMS

The perfect addition to any home cinema system, this modern light wood-tone 150 watt RMS active subwoofer produces the deepest-of deep bass possible for thrilling DVD effects.

S-W110S-K/S-W110S-QL Active Subwoofer

110 W RMS

Add a bit of style – and power – to your living room. This black subwoofer adds the finishing touch to your home cinema experience with 110 watt RMS of intense sound.
Also available with light wood-tone finish as S-W110S-QL.

S-W40S Active Subwoofer

NEW

50 W RMS

No more distortion with this active subwoofer. You have the advantage of 50 W RMS of power in an innovative and modern design. The S-W40S can serve as part of a perfect home cinema solution, and it blends nicely into any décor.

CP-F100 Speaker Stand

NEW

Pioneer design goes beyond just the speakers. This innovative aluminium design speaker stand is adjustable to match the height of the Pioneer's Plasma TV floor stand. Easy fixing. CP-F100 speaker stand matches most of Pioneer's satellite speakers and is a perfect companion for S-ST70, S-SP40, S-CR50A, S-F50A.

CP-F50A Speaker Stand

Pioneer's CP-F50A speaker stand adds a new stylish touch to your living space. This metal finished speaker stand will surely raise your sound experience to new heights and is a perfect companion for most new and older Pioneer satellite speakers – at least those which feature a vertical fixing structure at the rear of the cabinet (a hole, nut or wall bracket) – including S-V70-II, S-V50A, S-V59-II, S-V40, S-V32-QL, S-V32-W, NS-DV77, NS-DV88 and the satellite speakers of the HTD-50.

For full product features and specifications, please see page 69.

A FEAST FOR YOUR EYES

The ultimate in advanced picture quality is here. Once you've seen Pioneer's state-of-the-art plasma TV you'll know what a difference its outstanding brightness and image clarity can make. With a 50-inch (127 cm) or 43-inch (109 cm) screen, we give you brilliant big screen viewing in your home. Yet it's so amazingly light and slim, you can hang it on the wall. Its 160° viewing angle lets you watch it from practically anywhere, too. Whether you're into movies, games or surfing the net, your eyes won't get enough of it.

PURE vision

Once in a great while, something truly iconic comes along. Something so ahead of the crowd, so immensely rewarding, you know it belongs in your world. "PURE VISION" Pioneer Plasma TV. It's TV as you've never seen it. The digital display you dream of. Your ultimate lifestyle accessory. Try it on and see how beautifully it fits.

PDP-503HDE **Plasma TV**

*** PDP-503HDE with optional side-mounted speakers.**

Experience visual entertainment and indulge in Pioneer's Plasma television experience. A TV that delivers a wide-screen 16:9 aspect ratio, that's ultra sleek (a mere 98 mm) and has a 160° viewing angle so no-one will miss out. Above that it's noise-free and gives a dramatically improved contrast of 900:1 for PDP-503HDE and 1000:1 for PDP-433HDE. The media receiver is a TV tuner with Teletext and Nicam Stereo. It gives you the opportunity for Dual Screen Display, allowing you (for example) to not miss out on your favourite movie scenes while gathering information on Teletext. For your convenience it is easy to set up and has an auto installation function. To top it off there is a smart on-screen display. With so much advanced and easy-to-use technology your television experience will raise you to new levels of sheer pleasure.

PDP-433HDE **Plasma TV**

For full product features and specifications, please see page 70.

"Pure Vision"

Plasma TV is truly a work of art – the ultimate wall decoration. It's thin as a framed canvas. And so light, it's wall-friendly – it hangs quickly and easily with Pioneer's optional wall brackets, either a fixed flat type or an angled one adjustable up to 25-degrees. You not only use zero floor space, it's like being at the cinema.

Plasma Design

Consider these Pioneer design advantages. A flat screen so big (50-inch/127 cm and 43-inch/109 cm diagonal) yet so thin (less than 10 cm) and light (38.9 kg/50-inch or 31.5 kg/40-inch) you can hang it, or set it neatly on a stand – your choice. A media receiver brimming with functions yet slim and stylish. And optional slim side-mounted speakers that output sublime sound. You'll love the lustrous silvery finish. Its quiet operation (there's no noisy cooling fan). The ideal 16:9 aspect. And how guests sitting even off to the side see spot on, thanks to the 160-degree viewing angle. However you enjoy the "PURE VISION" Pioneer Plasma TV, it's a perfect fit for any home, every décor. How does Pioneer fill this big, slim screen with such spectacular images? Here's what you don't see. Sandwiched between the screen's glass panels are a million pixels – tiny cells of inert gas plus electrodes. Electric discharges make the gas emit UV light. This excites red, green and blue phosphors. The result: a billion brilliant colours. And immeasurable viewing pleasure.

Media receiver

Let us count the ways you can enjoy the "PURE VISION" Pioneer Plasma TV multi-media system. You're set to exploit the latest range of multi-media options with the plasma's new media receiver, slim yet cram-packed with capability. Enjoy TV in big-screen grandeur. Watch two sources on the Dual Screen*, including Teletext. And immerse yourself in sound, enriched by FOCUS**/SRS**. Installation couldn't be simpler – just one cable is required to connect the screen and media receiver; Auto Installation and On-Screen Display (OSD) prompting make set-up a cinch. What about hook-up to your video recording equipment? A breeze with the advanced "i/oLink.A" system. And here's a first for your PC (or Mac). Pioneer's Plasma TV displays all computer signals up to Wide XGA. Future high-definition broadcasts? No problem with Pioneer's 980,000 pixel high-resolution display panel. With such a perfect present and future-proof tomorrow, your satisfaction couldn't be bigger.

*** This function is not available under the following conditions: 1) PC INPUT mode 2) two pictures from the same source (e.g. INPUT 1 and INPUT 2) 3) images from high frequency signal source 4) two pictures with different vertical frequencies (e.g. PAL and PAL-60)**

**** FOCUS and SRS are trademarks of SRS Labs, Inc.**

How to enjoy plasma

The world-class Pioneer plasma outstands as one of the new lifestyle design approaches shaping the convergence of digital and information technologies.

Plasma & Digital Broadcasting

Pioneer plasma TV is definitely the most suitable display to watch large images and text information provided through digital terrestrial, satellite or cable broadcasts. Since these popular interfaces are the long-term future of home based communications, including the internet, Pioneer plasma is virtually future-proof. And because Pioneer plasma is the first consumer plasma TV withreal XGA resolution, you're ready right now for High Definition television.

Plasma & Home Cinema

For a truly superb digital home cinema experience, integrate Pioneer plasma TV in your DVD home cinema set-up. The wide flat screen provides superfine picture details in movie-theatre screen proportions taking an absolute minimum of space. Combined with multi-channel surround sound, Pioneer plasma TV offers you the ultimate cinematic experience

Plasma & Internet

Set up a true media room. Now, you can view the growing number of large, moving images on the internet. Even video programmes are about to be broadcast through the Internet. You'll truly appreciate the versatility and high-resolution of Pioneer plasma. High-speed net surfing in "the Broadband era" is coming now with CATV*, ADSL** and optical fibre cable.

*** CATV: Community Antenna TeleVision or Cable TV**

**** ADSL: Asymmetric Digital Subscriber Line**

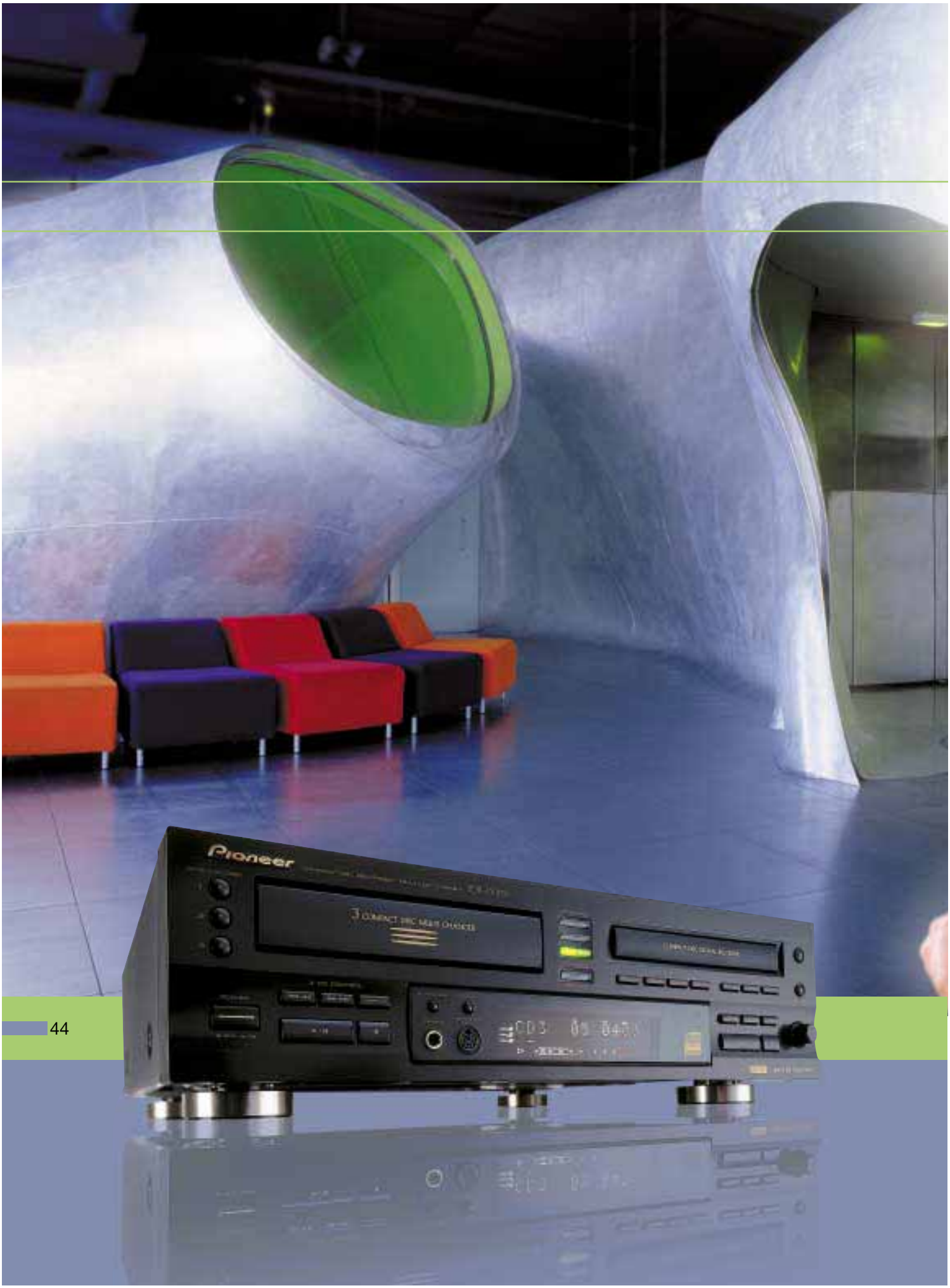
Plasma & Game Consoles

Connect Pioneer plasma to a games console and experience a new sensation in games play – high-definition high-quality moving images. Just one way Pioneer makes your favourite action games more exciting than ever.

Plasma & Video Cameras/Digital Cameras

Hook up to a digital video camera and re-live cherished happenings or footage just shot. Or connect to a digital still camera and thrill to favourite shots. Both ways, you'll be dazzled by the nearly life-size images and brilliant colours, including whiter whites and blacker blacks.

For full product features and specifications, please see page 70.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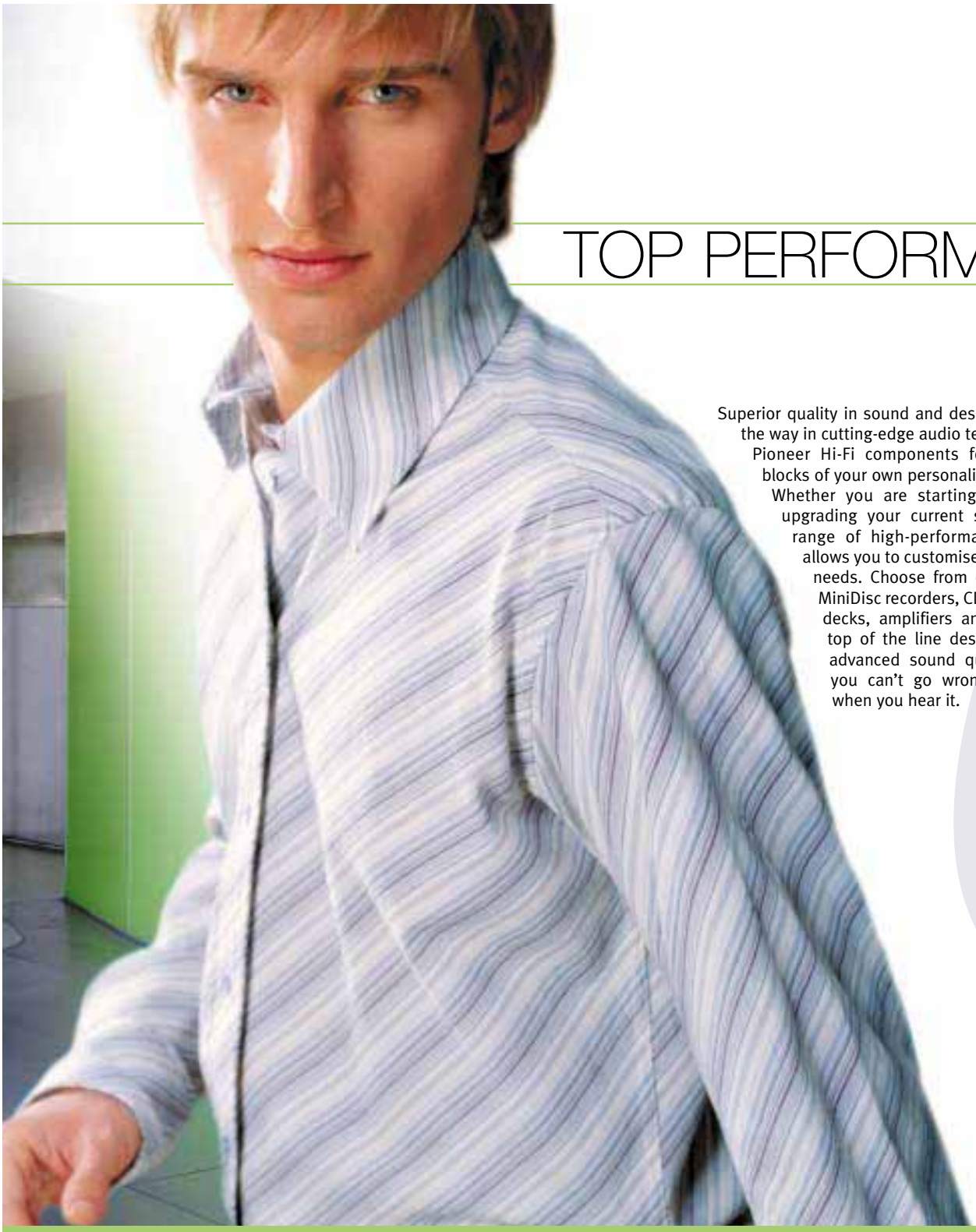


TOP PERFORMERS

Superior quality in sound and design: Pioneer leads the way in cutting-edge audio technologies. So let Pioneer Hi-Fi components form the building blocks of your own personalised audio system. Whether you are starting from scratch or upgrading your current system, our wide range of high-performance components allows you to customise according to your needs. Choose from our CD recorders, MiniDisc recorders, CD players, cassette decks, amplifiers and speakers. With top of the line design and the most advanced sound quality imaginable, you can't go wrong. You'll know it when you hear it.

MAKING MUSIC JUST GOT EASIER

The digital revolution has changed home audio recording forever. For one thing, the choice of formats is ever expanding. Just check out Pioneer's CD recorders and MiniDisc — two very versatile possibilities for recording in digital quality. Select, record, search and retrieve the tracks of your choice. Extremely easy to use, it's clear why these are fast becoming the must-haves of the moment. Now that high-quality customised recording has become a reality, why not give it a try? The only limit is your imagination.

PIONEER MINIDISC: YOU GOTTA GET ONE.

Pioneer gives you more options in digital recording with our high-end MiniDisc recorders. Make digital recordings from your CDs, or record from other sources — with MiniDisc the possibilities are endless. Its compact size and exceptional sound quality make it the format of choice. What's more, when your MD component is equiped with MD Long Play feature you can record up to 320 minutes of music onto a single disc. When you record in long-time monoraul audio you can record 2 x 80 minutes of music. That's more music for your compatible car or portable MiniDisc player.

MJ-D508 MiniDisc Recorder

Pioneer's advanced parameter processing, which controls ATRAC compressed data increasing the music signal information to provide audio recordings of the highest quality, the Pioneer Z-concept, and digital noise reduction mean a superior quality MiniDisc recorder. The convenient editing modes and features like "name clip" and "medley playback" let you get the most out of your music.

For full product features and specifications, please see page 72.

CUSTOMISATION AT THE TOUCH OF A BUTTON

Your own personalised mixes on CD – what could be better? With Pioneer CD recorders, you call the shots. We've come up with the solutions that make it easier and faster than ever to digitally record the tracks of your choice, in the order you want, onto CD-R or CD-RW. No complex programming involved — just press a button and you're off and running. And features like double speed dubbing and improved finalisation mean that you're never far away from that perfect mix. It'll change the way you listen to music.

PDR-W839 CD Recorder

LEGATO LINK CONVERSION CD TEXT SR

COMPACT disc Recordable ReWritable

Record from one to three CDs onto your own personalised CD. Just select the tracks you want to record and press the "Copy Start" button. It is that easy! The new "Rec This" button automatically records the track you are listening to at the touch of a button and stops when finished. The improved 2 x finalisation process and double speed dubbing enables fast recording. The front panel input connection for a keyboard makes creating and editing personalised CD Text a breeze.

PDR-609 CD Recorder

LEGATO LINK CONVERSION CD TEXT SR

COMPACT disc Recordable ReWritable

Quality CD recording and playback at its finest – thanks to a 24-bit A/D converter and Legato Link Conversion. This technology includes double speed finalisation, analogue sync recording for easy vinyl or cassette recording and automatic level adjustment. Of course, there is CD Text display and input possibilities too.

MJ-L11 MiniDisc

MDLP

A MiniDisc recorder with looks to kill. This is more than tempting for MiniDisc fans. Perfectly co-ordinated with the NS-11-S and NS-11-Q audio systems, and the NS-DV77 and NS-DV88 digital home cinema systems, this compact component is a simple way to add the pleasure of editing and recording those take-anywhere MiniDiscs to your design system. And just to twist your arm, its special MD LP (Long Play) feature gives you four times the recording time!

Note: MD LP discs will only play on MD LP compatible players.

For full product features and specifications, please see pages 71 and 72.

EVERLASTING CLASSIC SOUND

Advanced audio technology is what makes Pioneer CD players among the best. And with our wide range of top quality players, you can be sure that CDs won't go out of style any time soon. Exceptional features like Legato Link Conversion and anti-vibration design give you outstanding sound performance and stability. Got a huge collection? Our file-type CD players let you store 301 CDs in a compact space and still access any track immediately. With Pioneer, you'll get infinite listening pleasure out of your CDs for years to come.

PD-F1009 File-Type CD Player

With its unique loading roulette rack system and single loader, easily store 301 CDs in a surprisingly compact unit for immediate playing of your collection. A selection of listening modes, CD Text and CD-RW playback capability, low power consumption and Legato Link Conversion make this component an excellent choice for quality and convenient CD enjoyment.

PD-F1007 File-Type CD Player

More than 301 CDs? No problem. This CD player is connectable to another 301-CD changer for a grand total of 602 CDs. Almost a month of continuous listening pleasure. Organise your collection using the custom filing system and input your text via a keyboard or the remote control.

PD-F958 File-Type CD Player

Store up to 101 CDs in this compact CD player. Its single loader means a track within moments. It is easy to keep your favourite CDs organised using custom filing for up to 3 CD groups and the component can handle CD Text.

PD-F706 File-Type CD Player

A compact unit, this rolling rack system stores 25 + 1 discs. Almost a full day of audio enjoyment. Plus you can programme 24 tracks from 24 different discs for the perfect mix.

PD-F607 File-Type CD Player

Just a bit smaller for easy placement, load this CD player with 25 discs and enjoy your favourite music continuously. You'll be surprised at its price tag as well as its features, which include CD Text.

For full product features and specifications, please see page 73.

PD-M603* Multi CD Player

This CD player offers six disc capacity with excellent sound performance thanks to Pioneer's 1-bit DLC (Direct Linear Conversion) featuring a high speed and high density pulseflow D/A converter. With automatic digital level control, the sound level is automatically adjusted. Plus the 6 disc key on the remote lets you access any one of the six CDs directly.

*** Only available in the U.K.**

PD-M426* Multi CD Player

Put sets of your favourite CDs in separate loaders and off you go. This multiple Compact Disc player stores 6 discs per loader and features anti-resonance and anti-vibrating design and last disc memory. Just press the remote to start playing your selection.

*** This product is not available in the U.K.**

PD-M406* Multi CD Player

With a six disc storage capacity, this multi Compact Disc player offers superb sound with anti-resonance, anti-vibration design and last disc memory. A system remote terminal is also available.

*** This product is not available in the U.K.**

PD-S707* CD Player

This top model features everything a demanding listener requires. Perfect digital audio sound is present thanks to Pioneer's Z-concept and anti-resonance and anti-vibration features. And it is easy to use with a convenient jog dial.

*** This product is not available in the U.K.**

JD-M300 6-CD Magazine

Sort your favourite CDs into separate loaders to use with the PD-M426*, PD-M406* and PD-M603 multi Compact Disc players. It couldn't be easier.

*** These products are not available in the U.K.**

For full product features and specifications, please see pages 73 and 74.

DELIVERING POWER PERFORMANCES

An amplifier is the heart that supports your audio system. So give it the power it deserves with Pioneer amplifiers and receivers. They're brilliantly designed to deliver precisely the kind of powerful performance that results in pure, hi-fi sound. Wide frequency response, sound stability and low noise all add up to clean, distortion-free listening pleasure. Extra features and additional connections make them easy to integrate into any audio system. Now, how does that sound?

A-607R Integrated Amplifier — 120 W x 2 DIN

Packed with power – 120 watts + 120 watts DIN, this integrated amplifier pumps out pure sound with a superb low frequency range and exceptionally low noise thanks to the toroidal transformer. The high quality Direct Energy MOS FET circuit drives low impedance loudspeakers and its wide range linear circuit delivers clean hi-fi sound throughout the frequency range. Its symmetrical design adds to the perfect stereo sound.

A-509R Integrated Amplifier — 90 W x 2 DIN

The new look of this 90 watt integrated amplifier brings powerful performance to any system. Its wide-range linear circuit means a wider frequency response and its short signal path translates to a pure natural sound. It can be operated as 2-channel power amplifier, e.g. to drive the surround sound back speakers in a 7.1* speaker set-up.

*** When in the Surround Back mode, the A-509R does not accept any remote control signals, including those from the main amplifiers.**

A-307R Integrated Amplifier — 80 W x 2 DIN

The symmetrical construction of this 80 watt integrated amplifier brings perfect stereo sound to your ears. And the short signal path adds to the reality of the experience.

A-209R Integrated Amplifier — 60 W x 2 DIN

The new design features of this 60 watt integrated amplifier include a stabiliser for the transformer and chassis. Add this to the other features, such as a wide-range linear circuit and short signal path, for excellent sound performance.

A-109 Integrated Amplifier — 40 W x 2 DIN

The new design of this 40 watt integrated amplifier adds a stabiliser for the transformer and chassis. And its symmetrical design results in excellent stereo imagery.

For full product features and specifications, please see pages 74 and 75.

ANALOGUE WITH A TWIST

Cassettes have been around for ages, but the way you listen to them still keeps getting better with Pioneer digital technology. Our cassette decks adapt functions like digital noise reduction and TDNS (Tape Duplication Noise Suppression) to the analogue format, delivering enhanced audio performance from cassettes. Low-noise recording and playback guaranteed. So let Pioneer breathe new life into your old goodies. You'll be amazed at the difference in sound quality.

CT-W806R Cassette Deck

Applying the latest digital developments to the analogue format results in surprising quality sound. This double cassette deck has everything you need for high performance recording and playback, including a digital processing system for lower signal deterioration, a digital input terminal and easy ALCA (Automatic Level Control — Performed In Digital Domain) and TDNS (Tape Duplication Noise Suppression) digital dubbing.

CT-W606R Cassette Deck

A double cassette deck with Pioneer's advanced digital processing system and Legato Link pulls every last bit of sound from your cassettes.

CT-W505R* Cassette Deck

The very best of analogue sound reproduction, this double cassette deck uses ALCA (Automatic Level Control — Performed In Digital Domain) for a constant recording level and TDNS (Tape Duplication Noise Suppression) for deleting bias noise.

*** This product is not available in the U.K.**

CT-W208R Cassette Deck

This quality double cassette deck is a perfect addition to any system.

CT-S250 Cassette Deck

Of course, you still want to play all those favourite cassettes. So why not add this affordable single cassette player to your system?

For full product features and specifications, please see page 76.

CERTAINLY A SOUND CHOICE

For the ultimate in sound performance and versatility, Pioneer speakers are the best you can choose. Whether you want maximum power, minimal size or a cool design, you'll find what you need within our wide range. Need A/V speakers? Look no further. We have speakers compatible with all types of systems up to 7.1-channel surround sound. And all with the premium sound quality you can expect from Pioneer. Now that's definitely worth listening to.

S-H710V Audio Speaker Set

NEW

130 W Max

If you want a pure, accurate yet powerful sound then here's the answer. This stunning speaker design, consisting of two woofers, a tweeter and a super-tweeter, perfectly reproduces the high frequency treble sounds from a DVD-Audio or SACD source. The speakers are built from aluminium (cabinet), wood (front panel) and zinc (top, base and centre flange), making them robust as well as elegant. Choose from three grille colours (black, burgundy and white) to best match your interior. Then sit back and enjoy the power of maximum 130 W.

S-H510V Audio Speaker Set

100 W Max

With a refreshed design, these stately speakers are the perfect accessories. As a set, the elegant, 2-way, 100 watt speakers bring high performance sound to any living space. They are also magnetically shielded to prevent interference to TV sets, so they can double as A/V speakers.

S-H310V-QL Audio Speaker Set

NEW

100 W Max

Strike a chord for modernity. These subtle light wood-tone speakers with 100 watts of power are perfect for contemporary living spaces. The S-H310V-QL can also double as A/V speakers.

S-H230V-QL/S-H230V-W

NEW

Audio Speaker Set

80 W Max

Taking a step back from black? The refreshed design of these exclusive speakers, in Calvados wood finish or in warm wood-tone finish, brings elegance and three-way 80 watts high performance sound to any living space. They are also magnetically shielded to prevent interference to TV sets, which means they can double as A/V speakers.

For full product features and specifications, please see page 77.

CS-7070 Audio Speaker Set

190 W DIN

Maximum music at 190 watts. These quality 3-way speakers are also magnetically shielded to prevent interference to TV sets and can be used as A/V speakers.

CS-5070 Audio Speaker Set

140 W DIN

Designed for sound, these 3-way 140 watt speakers are an excellent choice for any hi-fi system.

CS-3070 Audio Speaker Set

120 W DIN

Something slightly smaller? Then you'll want these subtle 120 watt, 3-way speakers for your system.

ADD-ON EQUIPMENT & ACCESSORIES

PL-990 Turntable

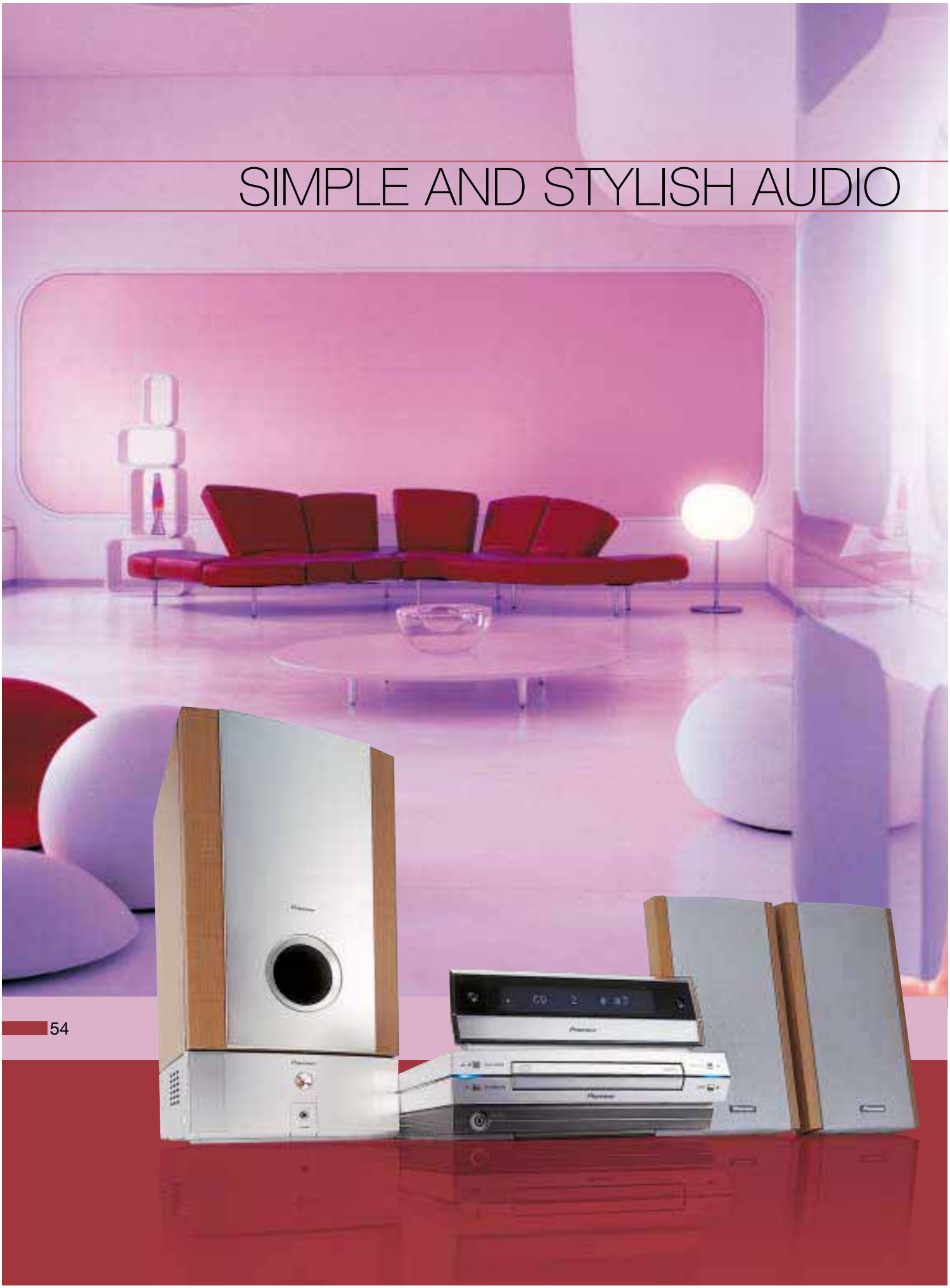
Sometimes you can't beat a vinyl classic. This high-tech, fully automatic stereo turntable features a low-mass straight tone arm, precise DC servo motor and built-in phono equaliser. Simply connect to any auxilliary/line input on your amplifier or mini system.

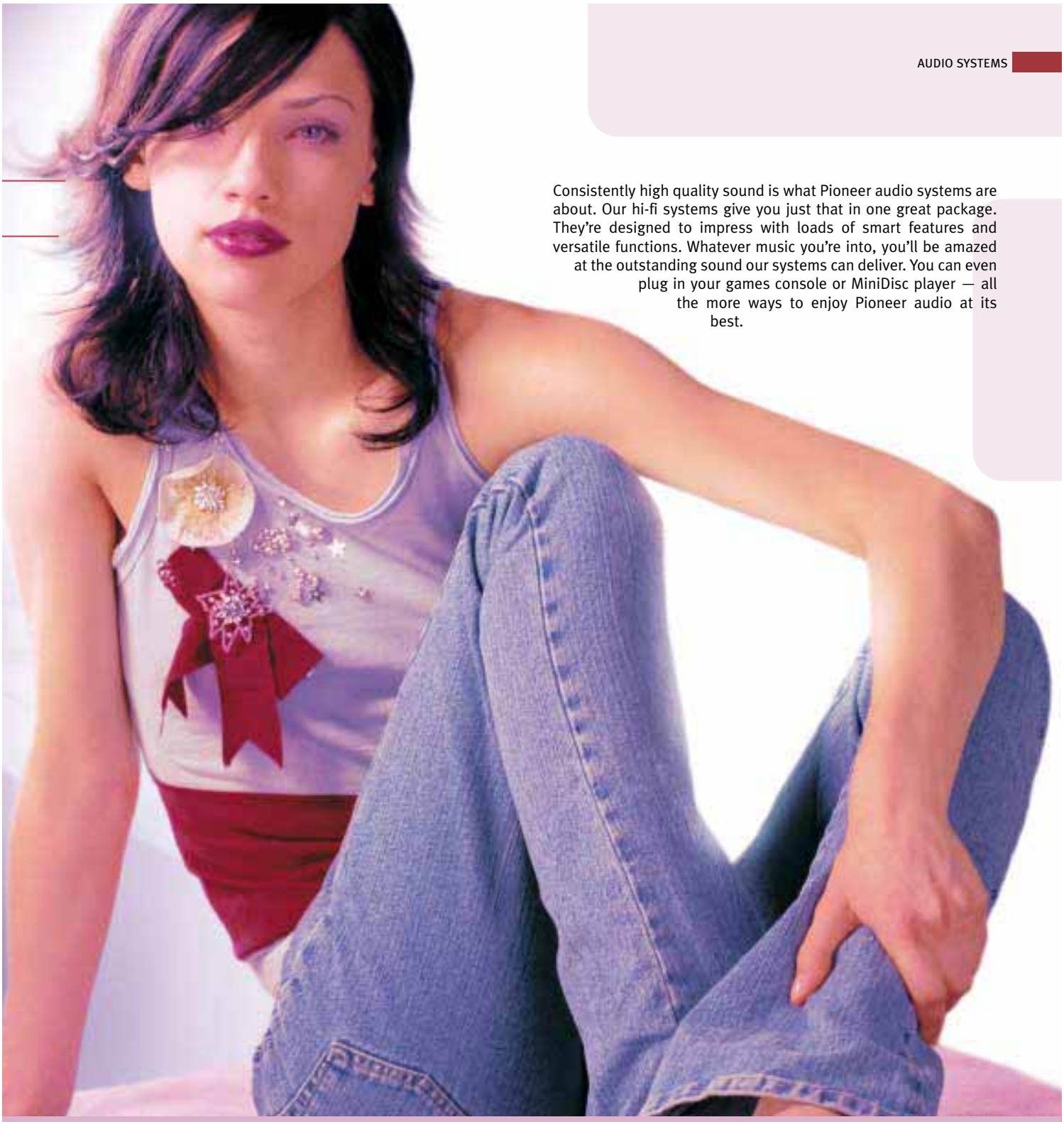
Headphones

When you need sound privacy, nothing beats a quality pair of headphones for a total sound experience. Looking for a completely closed model? Then consider the deep resonating sounds of the silver SE-M370 or the comfortable fit of the SE-M270 with oval soft pads. Or if you want to look super-trendy while you're enjoying rich, vibrant sounds, then opt for the light, open-type SE-A250.

For full product features and specifications, please see pages 76 and 77.

SIMPLE AND STYLISH AUDIO





Consistently high quality sound is what Pioneer audio systems are about. Our hi-fi systems give you just that in one great package. They're designed to impress with loads of smart features and versatile functions. Whatever music you're into, you'll be amazed at the outstanding sound our systems can deliver. You can even plug in your games console or MiniDisc player — all the more ways to enjoy Pioneer audio at its best.

BEST OF BOTH WORLDS

If you want both the best in sound quality and smart designer aesthetics, Pioneer design audio systems are the perfect way to go. Behind the streamlined exterior lies the latest high-performance audio technology for a system that sounds as impressive as it looks, from the inside out. Whichever model you choose, these eye-catching, high-tech marvels have all the bases covered. Innovative sound and design solutions from Pioneer. Why choose when you can have it all?

NS-11-Q Design Audio System

30 W x 2 + 50 W RMS

So you're considering the wooden 3-D speaker system with its matching subwoofer? With such slim yet strong design lines, it'll make a statement. And the separate blue display adds the perfect touch. With 110 watts of total power, you'll delight in the spectacular strains of music that soar through your space. The system has everything you'll need: a CD tuner, amplifier, a separate display that can be positioned where you want, two satellite speakers and a subwoofer. A great design feature, the power amplifier fits right under the subwoofer. You don't even notice it is there.

NS-11-S Design Audio System

30 W x 2 + 50 W RMS

More inclined towards the sleek silver 3-D speaker system with its corresponding subwoofer? No problem. You'll love the flash of the separate cool blue display and the highly addictive touch keys that beep to confirm you've hit them. With the slim silver design system, you still get everything you need: a CD tuner, a subwoofer for more bass, two satellite speakers, amplifier and a separate display that can be placed for convenient viewing. With 110 watts of total power output, this is a sophisticated yet powerful design system.

MJ-L11 Optional MiniDisc Recorder*

*** For NS-11-Q, NS-11-S, NS-DV88 and NS-DV77**

You're a MiniDisc addict? Then you'll be happy to hear that you can create your own MiniDisc compilations on your NS-11 system with this matching MD LP* compatible MiniDisc recorder. Creating your own personal MiniDisc compilations to take anywhere has never been more stylish.

CT-L11 Optional Cassette Deck*

*** For NS-11-Q, NS-11-S, NS-DV88 and NS-DV77**

Or would you rather revive your old cassette collection? Go ahead and do it with a bit of flair. Just slide your cassettes into this matching cassette deck. Your friends won't believe it!

Note: MD LP discs will only play on MD LP compatible players.

JC-L11 Optional Extension Cord*

*** For NS-11-Q, NS-11-S, NS-DV88 and NS-DV77**

Add the optional 5 metre extension cord – in case you decide to move the separate display further from the main unit.

For full product features and specifications, please see pages 72 and 78.

IS-22 Hi-Fi System

R·D·S

100 W x 2 RMS

The perfect system! The IS-22 includes a vertical CD player, horizontal tray-type cassette deck, tuner, separate amplifier and 3-way loudspeaker system.

Plug it in!
Limitless connections! Plug your games console into the front panel connection port for games with bombastic sound. Or hook up a portable MD recorder to create personalised MD discs from CDs, cassettes and even the radio, and then listen to those discs through the system's speakers. With new separate music playback and game sound modes, you'll experience sound like never before.

IS-22S Hi-Fi System

R·D·S

100 W x 2 RMS

Or opt for this system which has speakers the same height as the main unit (and the same features as the IS-22).

Motorised CD door

For full product features and specifications, please see page 79.

X-NM1 Micro System

RDS

25 W x 2 RMS

Just because it's tiny doesn't mean it's missing important points. On the contrary, everything is covered: a tray-type CD player, pop-up cassette player with auto reverse, an RDS tuner with 24 presets, a 2 x 25 watt amplifier and speakers with blue grilles make sure that you have quality music in any room from the office to the bedroom.

For full product features and specifications, please see page 79.

MP3 MP3 Playback

Most Pioneer DVD players are capable of reading MP3 files recorded onto CD-R or CD-RW discs. Because MP3 files occupy less space on a disc, it is possible to create CDs with up to 10 hours of compressed audio. A typical problem with this feature is navigating through the lengthy track listing. Pioneer has provided a solution – an on-screen navigation display. Since the DVD-Video player is normally connected to the TV, you can conveniently make selections or program the playback by utilising this easy-to-use navigation system while viewing the options on-screen.

Note: Some discs may not be playable due to different recording formats or physical condition of the disc at the time of recording or playback. Please see owner's manual for futher information.

Full Playback Compatibility

Expand your home entertainment experience with the new Home Cinema systems and combinations! Full playback compatibility means that you can play the full range of digital discs: DVD-Video, DVD-RW, DVD-R, CD, VideoCD, CD-R and CD-RW. You will be in awe of material recorded on DVD-RW discs — our systems and combinations can play discs recorded in "Video Mode". You can even play MP3 files that have been recorded on CD-R and CD-RW discs. All these options, plus amazing sound and supreme image quality, are yours thanks to the full playback compatibility.

RW **Note: DVD players which have this indication can play DVD-RW discs recorded in DVD "Video Recording Mode", and of course DVD-R and DVD-RW discs recorded in "Video Mode".**

Note: CD-R/RW DVD-R/RW Playback: Discs may not be played back because of the following reasons: recording characteristics of recorder/characteristics of disc/scratch and dust on disc/dust and condensation on pickup lens or others. CD-R/RW Playback: CD-R/RW discs for Audio recorded in CD Audio, Video CD or MP3 audio formatting can be played back. Unfinalised discs except CD Audio formatting cannot be played back. (however because the TOC (table-of-contents) information is lacking, time display may not be shown). You can play back the unfinalised discs in audio formatting with a limited function. DVD-R/RW Playback: DVD-R/RW discs for video, recorded in video recording mode cannot be played back. However it can be played back with DV-757Ai and DV-656A. Unfinalised discs cannot be played back.

DTS/DTS-ES

DTS 5.1-channel playback decoding technology has rapidly gained popularity thanks to its dynamic sound impact that flies at the listener from left, right and centre surround speakers. Open up the doors of digital home cinema and super surround sound with any Pioneer DVD-Video player and A/V amplifier/receiver which can handle DTS and DTS-ES encoded digital audio data streams.

DTS-ES Discrete 6.1

Discrete 6.1 is a true 6.1-channel format, where an additional Surround Back audio channel is discretely encoded into the DTS bitstream offering better spatialisation over the surround channels for complete 360-degree sound localisation and surround panoramas. A data flag tells the decoder that the bitstream contains an extra discrete Surround Back channel. This format is backwards compatible, since DTS 5.1 equipment simply ignores the DTS-ES Discrete 6.1 Surround Back channel.

DTS-ES (Matrix 6.1) Compatibility

DTS Extended Surround Matrix is where the additional Surround Back audio channel is 'matrixed' into the rear left and right surround channels in the DTS datastream. A DTS-ES decoder then 'extracts' the Surround Back channel that is placed behind you, the listener, and puts you right in the middle of the action.

DTS-NEO:6

The DTS-NEO:6 mode applies conventional 2-channel signals to the high-precision digital matrix decoder and achieves 6.1-channel surround playback. High-precision input signal detection and matrix processing enable a full band reproduction for all 6.1 channels. It also improves the separation between the different channels to almost the same level as that of a digital discrete system.
The **DTS- Neo:6 Cinema** mode decodes with an emphasis on separation performance to achieve the same atmosphere with 2-channel sources recorded in conventional surround formats as it does with 6.1-channel sources.
With **DTS-NEO:6 Music** the front channel signals bypass the decoder and are played directly so there is no loss of sound quality. Meanwhile, the effect of the surround signal output from the centre and surround channels, adds a natural sense of expansion to the sound field.

Dolby Digital

The current surround sound quality decoding standard, Dolby Digital means movie theatre sound performance for your home cinema. You will be wrapped in surround sound by 5.1-channel audio sound compression technology. Depending on the speakers, the front left and right, centre, rear left and right speakers can span frequencies from 20 Hz – 20 kHz and there is a dedicated subwoofer channel for additional low frequency sound effects. Extra features mean not only stunning soundtracks but also additional language tracks on one disc.

Dolby Digital EX/THX Surround EX

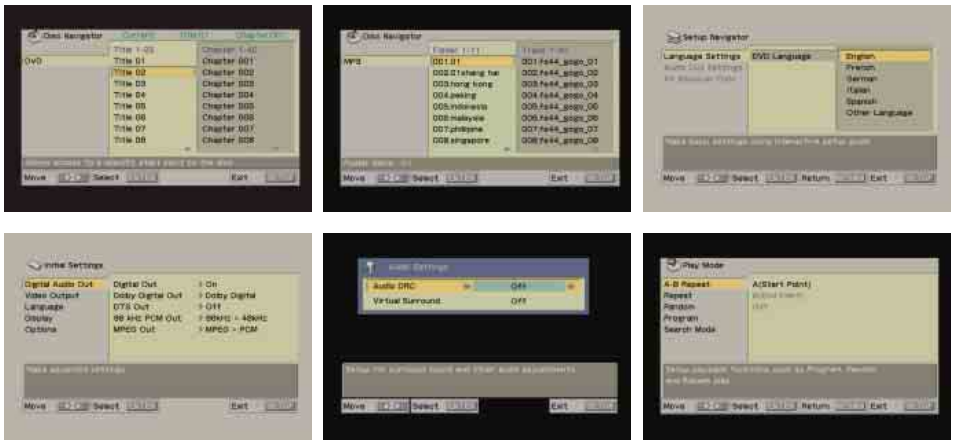
Dolby Digital EX is a joint development of Dolby Laboratories and the THX division of Lucasfilm Ltd. This phenomenal new technology was first heard in George Lucas' long awaited "Star Wars: Episode I-The Phantom Menace". Now applied to home cinema, it decodes a third surround channel from the left and right surround channels of 5.1 soundtracks. There are a total of 6.1 channels – front left and right, surround left and right, centre, surround back, plus subwoofer. This additional surround back channel allows more detailed imaging behind the listener and brings more depth and better sound localisation than ever before.

Dolby Pro Logic II

Dolby Pro Logic II reproduces multi-channel surround sound from a variety of sound sources, but also from 2-channel sources such as videos and CDs. Pro Logic II uses matrix decoding to put the surround rear channels in stereo and covers the full frequency range during playback, which are drastic improvements over Pro Logic.
Thanks to Pro Logic II you can now approach the thrill of 5.1-channel surround sound even from 2-channel sound sources.

New and improved GUI (Graphical User Interface)

Pioneer's new GUI (Graphical User Interface) has a resolution of 720 x 576 dots. This provides for high quality menus and allows for a large yet super-sharp font size so you get better legibility and easier use. An easy Disc Navigator with convenient portal structure simplifies complicated operations by way of an interactive interface presentation and supports all types of discs in video mode, DVD/DVD-R/DVD-RW/VideoCD/CD/CD-R/CD-RW/MP3. The Disc Navigator will guide you through all the necessary steps to operate by asking simple questions.



Pioneer Original Surround Modes

Our A/V receivers offer a wide range of pre-defined easy-to-use Original Surround modes, including 5/6-Channel Stereo, Expanded, Virtual Surround Back, Phones Surround, Game and TV Surround mode. The 5/6-Channel Stereo simulates the acoustic environment of a regular stereo while using all the speakers in the system to create rich Original Surround sound modes. The 6-Channel Stereo Mode is in effect when Surround Back speakers are switched on. If these speakers are not available, you will have 5-Channel Stereo Mode. For multimedia lovers, the Advanced Theatre function enhances the sound field based on the type of movie you are watching. Music Mode creates a 360-degree sound field around the viewer, creating the sensation of an acoustically perfect theatre. It is ideal for music videos and musicals. Drama and Movie Mode create the acoustics of a medium-sized cinema and heighten your sense of reality. For action movie lovers, Action Mode engulfs you in a wall of sound so you can enjoy all the power and speed. For users with only 2 front speakers, Pioneer offers Virtual Surround Mode for channel separation that leads to a surround sound feeling.
The Expanded Theatre Mode lets you enjoy Dolby Pro Logic Sources (videotapes, satellite broadcasts, etc.) as if they were the latest in 5.1 or 7.1-channel digital programs. The surround effect is so superb that you might consider giving up concerts!

Listening Modes

Pioneer also offers a selection of Listening modes, like Midnight Listening Mode, Quiet Mode, Natural and Bright.
To get the most out of home cinema at low volume turn to the excellent Midnight Listening Mode. It adjusts subwoofer, rear and centre speaker levels, while enhancing delay and compressing dynamic range, for greater enjoyment of cinema-like sound at low volume. If you feel the sound is too harsh or too sharp, Quiet Mode reduces the bass and treble in the signal to smooth the sound. Or, if you want the full strength of bass, the S Bass Mode delivers a powerful performance.
And to top it off, we now introduce two new listening modes, Natural and Bright, for an even better sound experience.

Virtual Surround Back

Surround sound becomes even more impressive. With virtual surround back 6.1 the left and right rear satellite speakers create a phantom sound source behind the listener, as if there were a speaker. Experience 6.1 surround sound from a 5.1 speaker set-up.

Expanded Theatre

Expanded Theatre broadens the soundstage and dramatically enhances surround effects when listening to Dolby Pro Logic or stereo sources. If you use it when viewing a restaurant scene, you might just be able to eavesdrop on the conversations going on outside of the main action or the subtle banging of pots and pans in the kitchen. This mode also enhances DTS and Dolby Digital-encoded signals, for amazing surround sound.

Digital Home Cinema Systems Features - 1

	NS-DV88	NS-DV77	DCS-505	DCS-303	HTD-50
SYSTEM					
Display	FL (Separate)	FL (Separate)	FL	FL	FL
Dimmer Control	5 step	5 step	2 step	2 step	5 step
Remote Control Unit	Preset	Preset	Preset	Preset	•
AMPLIFIER					
Surround (DIN)					
Front	30 W/ch (8 Ω, 1 % THD)	30 W/ch (8 Ω, 1 % THD)	59 W/ch (6 Ω, 1 % THD)	59 W/ch (6 Ω, 1 % THD)	65 W/ch (8 Ω, 1 % THD)
Centre	30 W (8 Ω, 1 % THD)	30 W (8 Ω, 1 % THD)	59 W (6 Ω, 1 % THD)	59 W (6 Ω, 1 % THD)	24 W (6 Ω, 1 % THD)
Surround	30 W/ch (8 Ω, 1 % THD)	30 W/ch (8 Ω, 1 % THD)	59 W/ch (6 Ω, 1 % THD)	59 W/ch (6 Ω, 1 % THD)	24 W/ch (6 Ω, 1 % THD)
Subwoofer	50 W (4 Ω, 1 % THD)	50 W (4 Ω, 1 % THD)	59 W/ch (6 Ω, 1 % THD)	59 W/ch (6 Ω, 1 % THD)	65 W (8 Ω, 1 % THD)
Surround (RMS)					
Front	40 W/ch (8 Ω, 10 % THD)	40 W/ch (8 Ω, 10 % THD)	75 W/ch (6 Ω, 10 % THD)	75 W/ch (6 Ω, 10 % THD)	87 W/ch (8 Ω, 10 % THD)
Centre	40 W (8 Ω, 10 % THD)	40 W (8 Ω, 10 % THD)	75 W (6 Ω, 10 % THD)	75 W (6 Ω, 10 % THD)	33 W (6 Ω, 10 % THD)
Surround	40 W/ch (8 Ω, 10 % THD)	40 W/ch (8 Ω, 10 % THD)	75 W/ch (6 Ω, 10 % THD)	75 W/ch (6 Ω, 10 % THD)	33 W/ch (6 Ω, 10 % THD)
Subwoofer	65 W (4 Ω, 10 % THD)	65 W (4 Ω, 10 % THD)	75 W (6 Ω, 10 % THD)	75 W (6 Ω, 10 % THD)	87 W (8 Ω, 10 % THD)
SURROUND SOUND					
Dolby Pro Logic Surround	•	•	•	•	•
Dolby Pro Logic II Surround			•	•	
Dolby Digital	•	•	•	•	•
DTS Digital Surround	•	•	•	•	•
DSP Mode					
HALL 1, 2	•	•			•
JAZZ	•	•			•
DANCE	•	•			•
THEATER 1 & 2	•	•			•
SIMULATED STEREO	•	•			
Advanced Surround Mode			•	•	
ADV MOVIE			•	•	
ADV MUSIC			•	•	
VIRTUAL SB			•	•	
EXPANDED			•	•	
5CH STEREO			•	•	
VIRTUAL SURROUND			•	•	
Advanced Theater					
STANDARD	•	•			•
MUSICAL	•	•			•
DRAMA	•	•			•
ACTION	•	•			•
VIRTUAL SURROUND 1, 2	•	•			•
REAR WIDE	•	•			•
SURROUND mode			•	•	
AUTO			•	•	
Dolby Pro logic			•	•	
Dolby Pro logic movie			•	•	
Dolby Pro logic music			•	•	
Room Setup			•	•	
AUDIO FEATURES					
Midnight Listening Mode	•	•	•	•	•
QUIET MODE			•	•	
THEATER BASS			MUSIC/CINEMA	MUSIC/CINEMA	
Bass Mode			•	•	
P-Bass	•	•	•	•	•
Bass/Treble Tone Control	•	•	•	•	•
Subwoofer Level Control	•	•	•	•	•
TUNER					
RDS Tuner	•	•	•	•	•
Band (FM/AM)	•	•	•	•	•
Presets	30	30	30	30	30
Auto Tuning	•	•	•	•	•
Timer	• (3-mode)	• (3-mode)	Wake up/Sleep	Wake up/Sleep	Wake up/Sleep
DVD					
Playback Discs	DVD/DVD-R [1]/VCD/CD/ CD-R [1]/CD-RW [1] (MP3 Capability)	DVD/DVD-R [1]/VCD/CD/ CD-R [1]/CD-RW [1] (MP3 Capability)	DVD/DVD-R [1]/VCD/CD/ CD-R [1]/CD-RW [1] (MP3 Capability)	DVD/DVD-R [1]/VCD/CD/ CD-R [1]/CD-RW [1] (MP3 Capability)	DVD/DVD-R [1]/VCD/CD/ CD-R [1]/CD-RW [1]
Twin-Wave Laser Pickup	•	•	•	•	•
Dual System (PAL/NTSC) (Video output)	•	•	•	•	•
10-bit Video Signal D/A Converter	•	•	•	•	•
96kHz/24-bit D/A Converter	•	•	•	•	•
CONVENIENCES					
Advanced GUI (Graphical User Interface)	•	•	6 Languages	6 Languages	•
Basic/Expert Mode Selection	•	•	•	•	•
Guide Indication	•	•	•	•	•
Set-Up Navigator	•	•	•	•	•
On-Screen Information	•	•	•	•	•
SPECIAL PLAY FUNCTIONS					
Programme Memory (Title or Chapter)	•	•	•	•	•
Resume Function (Stop Key)	•	•	•	•	•
Condition Memory (DVD, 15 discs)	•	•			•
Continue Play Memory (Last Memory)(5 DVD's, 1 VCD)	•	•			•
Repeat Mode (All,Title/Chapter,A-B)	•	•	•	•	•
Programme Play (CD/Track,Video/Chapter,Title)	24	24	24	24	24
Still Play (Field/Frame)	•	•	•	•	•
Still/Step Play	•	•	•	•	•
Slow Play (except VCD reverse)	•	•	•	•	•
Random Play	•	•	•	•	•
Scan/Search Functions					
10-Key Direct Search and Play (Chapter/Track)	•	•	•	•	•
Title Search	•	•	•	•	•
Track/Time search	•	•	•	•	•
Other Special Functions					
Accurate Digital Servo with Viter-bi RF Decoding Process (DVD)	•	•	•	•	•

Digital Home Cinema Systems Features - 2

	NS-DV88	NS-DV77	DCS-505	DCS-303	HTD-50
SPECIAL PLAY FUNCTIONS					
Quick Start	•	•	•	•	•
Transfer Bit Rate Indicator	•	•	•	•	•
TERMINALS					
Digital Input					
Coaxial	•	•			•
Optical	•	•	• Line2 In	• Line2 In	
Digital Output (Optical)	•	•			
Audio (TUNER Included)/Video Inputs	AUX x 3 / -	AUX x 3 / -	TV x 1 / AUX x 1	TV x 1 / AUX x 1	TV x 1 / AUX x 1
Audio/Video Output	for system cable/AUX x 1	for system cable / AUX x 1	AUX OUT x 1	AUX OUT x 1	AUX OUT x 1
S-Video Input/Output	- / •	- / •	- / •	- / •	- / •
S2 Compatibility	•	•	•	•	•
SATELLITE AND SUBWOOFER SPEAKER SYSTEM					
Magnetically Shielded (Satellite)	•	•	•	•	• (Front, Centre)
Magnetically Shielded (Subwoofer)	•	•			

[1] **CD-R/RW DVD-R/RW Playback: Disc may not be played back because of following reasons: recording characteristics of recorder/characteristics of disc/ scratch and dust on disc/dust and condensation on pickup lens or others. CD-R/RW Playback: CD-R/RW discs for Audio, recorded in CD Audio, Video CD or MP3 audio formatting can be played back. Unfinalised discs except CD audio formatting cannot be played back. (however because the TOC (table-of-contents) information is lacking, time display may not be shown). You can play back the unfinalised discs in CD audio formatting with a limited function. DVD-R/RW Playback: DVD-R/RW discs for Video, recorded in Video mode can be played back. Unfinalised discs cannot be played back.**

Digital Home Cinema Systems Specifications

	NS-DV88	NS-DV77	DCS-505	DCS-303	HTD-50
SYSTEM					
Cable length					
DVD Tuner—Display	1.5 m	1.5 m			
DVD Tuner—Subwoofer	5 m	5 m			
Display Unit					
Dimensions	206 x 65 x 50 mm	206 x 65 x 50 mm			
Weight	0.2 kg	0.2 kg			
Remote Control Unit					
Dimensions (W x H x D)	55 x 26 x 190 mm	55 x 26 x 190 mm	55 x 24.5 x 215	55 x 24.5 x 215	59 x 190 x 23 mm
Weight	0.08 kg (without battery)	0.08 kg (without battery)	105g	105g	0.09 kg (without battery)
Power Requirements	220 – 230 V / 50 – 60 Hz	220 – 230 V / 50 – 60 Hz	220 – 230 V / 50 – 60 Hz	220 – 230 V / 50 – 60 Hz	220 – 230 V / 50 – 60 Hz
Power Consumption In Use / Standby	166 W / 1 W	166 W / 1 W	195 W / 0.39 W	195 W / 0.39 W	157 W / 1 W
Dimensions (W x H x D)	220 x 65 x 317 mm	220 x 65 x 317 mm	360 x 70 x 393 mm	360 x 70 x 393 mm	420 x 125 x 455 mm
Weight	2.5 kg	2.5 kg	7 kg	7 kg	9.0 kg
AMPLIFIER SECTION					
DIN Continuous Power Output (8 Ω)					
Front (1 kHz, 1 % THD)	30 W/ch (8 Ω, 1 % THD)	30 W/ch (8 Ω, 1 % THD)	59 W/ch (6 Ω, 1 % THD)	59 W/ch (6 Ω, 1 % THD)	65 W/ch (8 Ω, 1 % THD)
Centre (1 kHz, 1 % THD)	30 W (8 Ω, 1 % THD)	30 W (8 Ω, 1 % THD)	59 W (6 Ω, 1 % THD)	59 W (6 Ω, 1 % THD)	24 W (6 Ω, 1 % THD)
Rear (1 kHz, 1 % THD)	30 W/ch (8 Ω, 1 % THD)	30 W/ch (8 Ω, 1 % THD)	59 W/ch (6 Ω, 1 % THD)	59 W/ch (6 Ω, 1 % THD)	24 W/ch (6 Ω, 1 % THD)
Subwoofer (100 Hz, 1 % THD)	50 W (4 Ω, 1 % THD)	50 W (4 Ω, 1 % THD)	59 W/ch (6 Ω, 1 % THD)	59 W/ch (6 Ω, 1 % THD)	65 W (8 Ω, 1 % THD)
RMS Power Output (8 Ω)					
Front (1 kHz, 1 % THD)			75 W/ch (6 Ω, 10 % THD)	75 W/ch (6 Ω, 10 % THD)	87 W/ch (8 Ω, 10 % THD)
Centre (1 kHz, 1 % THD)			75 W (6 Ω, 10 % THD)	75 W (6 Ω, 10 % THD)	33 W (6 Ω, 10 % THD)
Rear (1 kHz, 1 % THD)			75 W/ch (6 Ω, 10 % THD)	75 W/ch (6 Ω, 10 % THD)	33 W/ch (6 Ω, 10 % THD)
Subwoofer (100 Hz, 1 % THD)			75 W (6 Ω, 10 % THD)	75 W (6 Ω, 10 % THD)	87 W (8 Ω, 10 % THD)
CD/DVD PLAYER SECTION					
S/N Ratio (Audio)	100 dB	100 dB	110 dB	110 dB	95 dB
Dynamic Range	97 dB	97 dB	-	-	95 dB
Distortion	0.004 %	0.004 %	0,004 %	0,004%	0.004 %
Frequency Response					
48 kHz Sampling	4 – 22,000 Hz	4 – 22,000 Hz	4 – 22,000 Hz	4 – 22,000 Hz	4 – 22,000 Hz
96 kHz Sampling	4 – 44,000 Hz	4 – 44,000 Hz	4 – 44,000 Hz	4 – 44,000 Hz	4 – 44,000 Hz
SPEAKER SECTION					
Front Satellite	8.7 cm	8.7 cm	15 x 6 cm + 5.2 cm	8.7 cm	10 cm woofer, 5.2 cm tweeter
Impedance	8 Ω	8 Ω	6 Ω	6 Ω	8 Ω
Frequency Range	100 – 20,000 Hz	100 – 20,000 Hz	70 – 20,000 Hz	100 – 20,000 Hz	50 – 20,000 Hz
Maximum Input Power	40 W	40 W	75 W	75 W	115 W
Sensitivity (1 m/W)	86 dB	86 dB	81 dB	84 dB	85.5 dB
Dimensions (W x H x D)	110 x 154 x 78 mm	110 x 154 x 78 mm	220 x 1250 x 220 mm	110 x 155 x 76 mm	145 x 235 x 204 mm
Weight	0.81 kg	0.81 kg	6.6 kg	0.75 kg	2.0 kg
Centre Satellite	8.7 cm	8.7 cm	8.7 cm	8.7 cm	8.7 cm
Impedance	8 Ω	8 Ω	6 Ω	6 Ω	6 Ω
Frequency Range	100 – 20,000 Hz	100 – 20,000 Hz	100 – 20,000 Hz	100 – 20,000 Hz	70 – 20,000 Hz
Maximum Input Power	40 W	40 W	75 W	75 W	52 W
Sensitivity (1 m/W)	85 dB	85 dB	84 dB	84 dB	84 dB
Dimensions (W x H x D)	210 x 110 x 78 mm	210 x 110 x 78 mm	200 x 110 x 76 mm	200 x 110 x 76 mm	310 x 110 x 76 mm
Weight	0.92 kg	0.92 kg	0.8 kg	0.8 kg	1.0 kg
Rear Satellite	8.7 cm	8.7 cm	8.7 cm	8.7 cm	8.7 cm
Impedance	8 Ω	8 Ω	6 Ω	6 Ω	6 Ω
Frequency Range	100 – 20,000 Hz	100 – 20,000 Hz	100 – 20,000 Hz	100 – 20,000 Hz	90 – 20,000 Hz
Maximum Input Power	40 W	40 W	75 W	75 W	52 W
Sensitivity (1 m/W)	86 dB	86 dB	84 dB	84 dB	83.5 dB
Dimensions (W x H x D)	110 x 154 x 78 mm	110 x 154 x 78 mm	110 x 155 x 76 mm	110 x 155 x 76 mm	110 x 155 x 76 mm
Weight	0.81 kg	0.81 kg	0.75 kg	0.75 kg	0.8 kg
Subwoofer	16 cm	16 cm	16 cm	16 cm	16 cm
Impedance	4 Ω	4 Ω	6 Ω	6 Ω	8 Ω
Frequency Range	31 – 300 Hz	31 – 300 Hz	30 – 2800 Hz	30 – 2800 Hz	30 – 2,000 Hz
Maximum Input Power	65 W	65 W	75 W	75 W	115 W
Sensitivity (1 m/W)	81 dB	81 dB	80 dB	80 dB	82 dB
Dimensions (W x H x D)	190 x 420 x 420 mm	190 x 420 x 420 mm	130 x360 x 360 mm	130 x 360 x 360 mm	190 x 360 x 327 mm
Weight	14.2 kg	14.2 kg	4.0 kg	4.0 kg	4.8 kg

DVD Players
Features - 1

	DV-939A	DV-757Ai	DV-656A-S/ DV-656A-K	DV-550	DV-454-S/ DV-454-K	DV-350-S/ DV-350-K	DV-U7	PDV-LC20	PDV-20
TECHNICAL FEATURES									
Playback Discs	DVD/VCD/CD/ CD-R[1]/CD-RW[1]/ DVD-R[1]/DVD-RW[1] DVD-AUDIO	DVD/VCD/CD/ CD-R[1]/CD-RW[1]/ DVD-R[1]/DVD-RW[1]/ DVD-AUDIO SACD/SACD MULTI	DVD/VCD/CD/ CD-R[1]/CD-RWv/ DVD-R[1]/DVD-RW[1]/ DVD-AUDIO SACD/SACD MULTI	DVD/VCD/CD/ CD-R[1]/CD-RW[1] DVD-R[1]/DVD-RW[1]	DVD/VCD/CD/ CD-R[1]/CD-RW[1] DVD-R[1]/DVD-RW[1]	DVD/VCD/CD/ CD-R[1]/CD-RW[1] DVD-R[1]/DVD-RW[1]	DVD/VCD/CD/ CD-R[1]/CD-RW[1] DVD-R[1]/DVD-RW[1]	DVD/SVCD/VCD/CD/ CD-R[1]/CD-RW[1] DVD-R[1]/DVD-RW[1]	DVD/SVCD/VCD/CD/ CD-R[1]/CD-RW[1] DVD-R[1]/DVD-RW[1]
Disc Capacity	1	1	1	1	1	1	1	1	1
DVD-RW recorded in Video Recording Mode (CPRM)		•	•						
DVD-R/RW recorded in Video Mode	•	•	•	•	•	•	•	•	•
Photo Viewer[2]				•					
MP3[3]		•	•	•	•	•	•		
Twin-Wave Laser Pickup	•	•	•	•	•	•	•	•	•
Dual System (PAL/NTSC) (Video output)	•	•	•	•	•	•	•	• [4]	•
CONSTRUCTION									
Layered Chassis	• (Triple)	• (Double)							
Acoustic Damper Tray	•								
AUDIO FEATURES									
DVD-Audio Compatibility	•	•	•						
192 kHz/24-bit D/A Converter	• (L/R)	• (6 ch)	• (6 ch)	•	•	•	•		
96 kHz/24-bit D/A Converter	• (C/Ls/Rs/SW)							•	•
Built-in Decoder									
Dolby Digital Decoder (5.1-channel)	•	•	•						
DTS Decoder	•	•	•						
MPEG Multi Decoder	•								
SACD Multi Decoder		•	•						
Hi-bit Conversion	• (L/R)	• (L/R)							
Legato Link Conversion PRO		•							
Virtual Dolby Digital		•	•	•	•	•	•		
TruSurround by SRS		•	•	•	•	•	•		
Digital Output	•	•	•	•	•	•	•	•	•
Dolby Digital	•	•	•	•	•	•	•	•	•
DTS	•	•	•	•	•	•	•	•	•
MPEG Audio	•	•	•	•	•	•	•	•	•
Linear PCM	•	•	•	•	•	•	•	•	•
Local regulator for Analogue Audio	•	•	•						
Symmetrical Audio circuit	•								
Digital Out On/Off		•	•	•	•	•	•		
Dynamic Range Control (ON/OFF) (Dolby Digital)		•	•	•	•	•	•	•	•
Bass Management		•	• (except DVD-A, DTS)						
Delay Adjustment		• (except SACD)	• (except SACD)						
VIDEO FEATURES									
PureCinema Progressive Scan (for NTSC)	•	•							
Component Frame DNR PRO	•	•							
Mosquito Noise Reduction	•	•							
Block Noise Reduction	•	•							
Super Fine Focus Digital Filter (540 lines)		•	•						
Fine Focus Digital Filter	•								
User Video Memory Modes (3 modes)	•	•	• (2 modes)						
Gamma Correction		•							
Video Adjust	•	•	•						
Trick Play Processor	•	•	• (without memory)						
108 MHz/12-bit D/A Converter		•							
27 MHz/10-bit D/A Converter	• (54 MH)		•	•	•	•	•	•	•
Horizontal Sharpness (DVD)	•	•							
Progressive 4:3 Resize		•							
Zoom Function			• (still only)	•	•	•	•		
Video OFF		•	•						
CONVENIENCES									
Improved GUI (Graphical User Interface)		•	•	•	•	•	•		
Basic/Expert Mode Selection	•							•	•
Guide Indication	•	•	•	•	•	•	•	•	•
Set-Up Navigator	•	•	•	•	•	•	•	•	•
Disc Navigator		•	•	•	•	•	•		
On-Screen Information	•	•	•					•	•
Speaker Setting	•	•	•						
On-Screen Bit Rate Meter	•	•	•	•	•	•	•	•	•
Special Play Functions									
Programme Memory (Title or Chapter)	•	•	•	•	•	•	•	•	•
Resume Function (Stop Key)	•	•	•	•	•	•	•	•	•
Condition Memory (DVD, 15 discs)	•							•	•
Continue Play Memory (Last Memory) (5 DVD's, 1 VCD)	•							•	•
Repeat Mode (All, Title/Chapter, A-B)	•	•	•	•	•	•	•	•	•
Programme Play (CD/Track, Video/Chapter, Title)	•	•	•	•	•	•	•	•	•
Still Play (Field/Frame)	•	•	•					•	•
Still/Step Play (Forward/Reverse, except VCD reverse)	•	•	•	•	•	•	•	•	•
Slow Play (except VCD reverse)	•	•	•	•	•	•	•	•	•
Random Play	•	•	•	•	•	•	•	•	•
Scan/Search Functions									
10-Key Direct Search and Play (Chapter/Track)	•	•	•	•	•	•	•	•	•
Title Search	•	•	•	•	•	•	•	•	•
Track/Time search	•	•	•	•	•	•	•	•	•
Frame Search	• (DVD)								
Page Search(DVD Audio)		•	•						
Other Special Functions									
Jog & Joystick Remote Control Unit	• [5]	• [5]							
Heads-Up Remote Control Unit			•	•	•	•	•		
32-Key Card-Type Remote Control Unit								•	•
On-Screen Display on/off	•	•	•	•	•	•	•	•	•
Large 7-inch Wide LCD Screen								•	
Reverse-Angle Display								•	
Built-in Stereo Speaker								•	
FL Dimmer/Off	•	• (3 steps without off)	• (4 steps)						

DVD Players Features - 2

	DV-939A	DV-757Ai	DV-656A-S/ DV-656A-K	DV-550	DV-454-S/ DV-454-K	DV-350-S/ DV-350-K	DV-U7	PDV-LC20	PDV-20
CONVENIENCES									
Progressive Scan Indicator		•							
i.LINK (IEEE394) Indicator		•							
Screen Saver		•	•	•	•	•	•	•	•
Accurate Digital Servo with Automatic Jitter Adjustment (DVD)	•	•	•	•	•	•	•	•	•
Viter-bi RF Decoding Process (DVD)	•	•	•					•	•
Quick Start		•	•					•	•
Auto Power-Off				•	•	•	•		
TERMINALS									
Euro-SCART	1 (In/Out) 1 (Out)	1 (In/Out) 1 (Out)	1 (In/Out) 1 (Out)	1	1	1	1		
RGB-Y/C Video Output (on Euro-Scart)	1	1	1	1	1	1	1		
i.LINK (IEEE1394)		2							
Component (Y, Pb, Pr)		1[6]	1						
DTS 2 ch Down Mix Output		•	•						
S-Video Output	2[6]	2[6]	2	1	1	1	1	1[7]	1[7]
Video Output	26	26	2	1	1	1	1	(yes)	(yes)
5.1-Channel Audio Output	1[6]	1[6]	1						
Audio Output	26	16	16	1	1	1	1	(yes)	(yes)
Coaxial Digital Output	1[6]	1[6]	1	1	1	1			
Optical Digital Output	1	1	1	1	1		1	1[8]	1[8]
Audio/Video Input (in AV-IN Mode)								1	
Headphone Jack								2	1
CONTROL TERMINALS									
Pioneer System Remote	2 (In/Out)	2 (In/Out)	2 (In/Out)						

[1] CD-R/RW DVD-R/RW Playback: Discs may not be played back because of the following reasons: recording characteristics of recorder/characteristics of disc/scratch and dust on disc/dust and condensation on pickup lens or others. CD-R/RW Playback: CD-R/RW discs for Audio recorded in CD Audio, Video CD or MP3 audio formatting can be played back. Unfinalised discs except CD Audio formatting cannot be played back. (however because the TOC (table-of-contents) information is lacking, time display may not be shown). You can play back the unfinalised discs in audio formatting with a limited function. DVD-R/RW Playback: DVD-R/RW discs for video, recorded in video recording mode cannot be played back. However it can be played back with DV-757Ai and DV-656A. Unfinalised discs cannot be played back.
[2] JPEG file compatibility: This player is compatible with FUJICOLOR CD and Kodak Picture CD formats, as well as CD-R/RW/ROMs containing JPEG files (up to 999 files). Baseline JPEG and EXIF files up to 8 megapixels are supported (maximum vertical and horizontal resolution is 5120 pixels). The CD-R/RW/ROM containing the JPEG files must be ISO 9660 Level 2 compliant. CD physical format: Mode1, Mode2 XA Form 1.
[3] Compatible with MPEG1 Audio Layer3 44.1 kH and 48 kHz formats. Recording format should be in accordance with ISO9660 CD-ROM file system. MP3 file name requires MP3 or mp3 as an extension. Chinese characters cannot be displayed, although files featuring such names can be played. 250 tracks/folders can be played per disc. Compatible with VBR(Variable Bit Rate)(however time display may not be shown correctly).
[4] NTSC is converted into artificial PAL format for output. AV input only functions with PAL system.
[5] With illumination
[6] Gold-plated
[7] Unified with Video Out
[8] Unified with Audio Out

Note: DVD-Video players and DVD-Video discs have regional code classifications that determine their market area and compatibility. Discs and players must have matching codes in order to be played. All DVD-Video players featured in this catalogue are classified as regional code 2.

DVD Players Specifications

	DV-939A	DV-757Ai	DV-656A-S/ DV-656A-K	DV-550	DV-454-S/ DV-454-K	DV-350-S/ DV-350-K	DV-U7	PDV-LC20	PDV-20
VIDEO CHARACTERISTICS									
Horizontal Resolution (Lines) (DVD)	Over 500	540	540	Over 500	Over 500	Over 500	Over 500	Over 500	Over 500
DIGITAL AUDIO CHARACTERISTICS									
Total Harmonic Distortion	0.001 %	0.0009 %	0.0010 %	0.0016 %	0.0016 %	0.0016 %	0,0016 %	0.03 %	0.03 %
Frequency Response									
48 kHz	4 – 22,000 Hz	4 – 22,000 Hz	4 – 22,000 Hz	4 – 22,000 Hz	4 – 22,000 Hz	4 – 22,000 Hz	4 – 22,000 Hz	4 – 22,000 Hz	4 – 22,000 Hz
96 kHz	4 – 44,000 Hz	4 – 44,000 Hz	4 – 44,000 Hz	4 – 44,000 Hz	4 – 44,000 Hz	4 – 44,000 Hz	4 – 44,000 Hz	4 – 44,000 Hz	4 – 44,000 Hz
192 kHz	4 – 88,000 Hz	4 – 88,000 Hz	4 – 88,000 Hz						
Signal-to-Noise Ratio	115 dB	118 dB	118 dB	118 dB	118 dB	118 dB	118 dB	108dB	108dB
Dynamic Range	110 dB	108 dB	108 dB	101 dB	101 dB	101 dB	101 dB	88 dB	88 dB
MISCELLANEOUS									
Power Requirements	220 – 240 V/ 50/60 Hz	220 – 240 V 50/60 Hz	220 – 240 V 50/60 Hz	220 – 240 V 50/60 Hz	220 – 240 V 50/60 Hz	220 – 240 V 50/60 Hz	220 – 240 V 50/60 Hz	100 – 240 V/ 50/60 Hz (AC Adaptor)	100 – 240 V/ 50/60 Hz (AC Adaptor)
Power Consumption	32 W	18 W	14 W	14 W	14 W	14 W	13 W	10 W (Player)	5 W (Player)
Power Consumption (Standby Mode)		0.4 W	0.4 W	0.3 W	0.3 W	0.3 W	0.3 W		
Dimensions (W x H x D)	420 x 130 x 371 mm	420 x 95 x 279 mm	420 x 69 x 277.5 mm	420 x 55 x 281 mm	420 x 55 x 278 mm	420 x 55x 276 mm	210 x 65 x 311 mm	190 x 25.9 [1] x 144.5 mm	190 x 15.9 x 142 mm
Weight	9.2 kg	4.3 kg	2.7 kg	2.5 kg	2.5 kg	2.5 kg	1.8 kg	630g	300g

[1] Excluding battery.

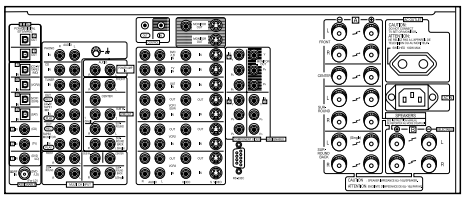
A/V Amplifiers & Receivers
Features - 1

	VSA-AX10	VSX-D2011-S	VSX-D1011-S/ VSX-D1011-K	VSX-D811S-S/ VSX-D811S-K	VSX-D711-S/ VSX-D711-K	VSX-D511-S/ VSX-D511-K	VSX-C550-S	VSX-C100-S/ VSX-C100-K
POWER OUTPUT								
RMS* Power (1 kHz, 10 % THD, 8 Ω Per channel)		120 W	120 W	120 W	120 W	100 W	40 W (6 Ω)	40 W (6 Ω)
Stereo (DIN)	170 W/ch (1 kHz, 1 % THD, 6 Ω)	100 W/ch (1 kHz, 1 % THD, 8 Ω)	100 W/ch (1 kHz, 1 % THD, 8 Ω)	100 W/ch (1 kHz, 1 % THD, 8 Ω)	100 W/ch (1 kHz, 1 % THD, 8 Ω)	80 W/ch (1 kHz, 1 % THD, 8 Ω)	30 W/ch (1 kHz, 1 % THD, 8 Ω)	30 W/ch (1 kHz, 1 % THD, 8 Ω)
Surround								
Front	170 W/ch (1 kHz, 1 % THD, 6 Ω)	100 W/ch (1 kHz, 1 % THD, 8 Ω)	100 W/ch (1 kHz, 1 % THD, 8 Ω)	100 W/ch (1 kHz, 1 % THD, 8 Ω)	100 W/ch (1 kHz, 1 % THD, 8 Ω)	80 W/ch (1 kHz, 1 % THD, 8 Ω)	30 W/ch (1 kHz, 1 % THD, 8 Ω)	30 W/ch (1 kHz, 1 % THD, 8 Ω)
Centre	170 W (1 kHz, 1 % THD, 6 Ω)	100 W (1 kHz, 1 % THD, 8 Ω)	100 W (1 kHz, 1 % THD, 8 Ω)	100 W (1 kHz, 1 % THD, 8 Ω)	100 W (1 kHz, 1 % THD, 8 Ω)	80 W (1 kHz, 1 % THD, 8 Ω)	30 W (1 kHz, 1 % THD, 8 Ω)	30 W (1 kHz, 1 % THD, 8 Ω)
Rear (Surround)	170 W/ch (1 kHz, 1 % THD, 6 Ω)	100 W/ch (1 kHz, 1 % THD, 8 Ω)	100 W/ch (1 kHz, 1 % THD, 8 Ω)	100 W/ch (1 kHz, 1 % THD, 8 Ω)	100 W/ch (1 kHz, 1 % THD, 8 Ω)	80 W/ch (1 kHz, 1 % THD, 8 Ω)	30 W/ch (1 kHz, 1 % THD, 8 Ω)	30 W/ch (1 kHz, 1 % THD, 8 Ω)
Surround Back	170 W/ch (1 kHz, 1 % THD, 6 Ω)	100 W/ch (1 kHz, 1 % THD, 8 Ω)	100 W/ch (1 kHz, 1 % THD, 8 Ω)	100 W/ch (1 kHz, 1 % THD, 8 Ω)				
SURROUND FORMAT								
Dolby Digital	•	•	•	•	•	•	•	•
Dolby Digital EX /THX Surround EX	• (THX surround EX)	• (THX surround EX)	• (THX surround EX)	•				
DTS	•	•	•	•	•	•	•	•
DTS-ES Discrete 6.1	•	•	•	•				
DTS-ES Matrix 6.1	•	•	•	•				
DTS-NEO:6 Cinema	•	•	•	•				
DTS-NEO:6 Music	•	•	•	•				
DTS 96/24	•	•	•					
Dolby Pro Logic	•	•	•	•	•	•	•	•
Dolby Pro Logic II Movie	•	•	•	•	•	•	•	•
Dolby Pro Logic II Music	•	•	•	•	•	•	•	•
THX	• (ULTRA2)	• (Select)	• (Select)					
THX Cinema	•	•	•					
THX Ultra2 Cinema	•							
THX MusicMode	•							
MPEG BC	•							
PIONEER ORIGINAL SURROUND MODE								
Advanced MUSIC				•	•	•	•	•
Advanced MOVIE				•	•	•	•	•
Expanded Theater				•	•	•	•	•
Virtual surround back		•	•	•	•	•	•	•
Virtual Surround							•	•
Phones Surround							•	•
GAME Mode							•	•
TV Surround Mode							•	•
Advanced Cinema								
ACTION	•	•	•					
MUSICAL	•	•	•					
DRAMA	•	•	•					
SCI-FI	•	•	•					
MONOFILM	•	•	•					
5-D/7-D THEATER	•	•	•					
Advanced Concert								
CLASSICAL	•	•	•					
CHAMBER	•	•	•					
JAZZ	•	•	•					
ROCK	•	•	•					
DANCE	•	•	•					
5/6/7-CH STEREO	•	•	•	•	•	•	•	•
CONSTRUCTION								
3-D Space Frame Construction	•	•	•					
Isolated Chamber Construction		•	•					
Copper-Plated Chassis	•							
Direct Construction	• (Advanced)	• (Advanced)	• (Advanced)	•	•	•		
Double Layer Chassis	•	•						
Trans Stabiliser	•	•						
AMPLIFIER DESIGN								
Accurate Imaging System	•	•	•	•	•	•	•	•
Large Capacity Electrolysis Condenser	33,000 µF x 2	22,000 µF x 2	22,000 µF x 2					
Thick Copper Bus-Bar	•							
Discrete Output (all channels)	• (A.D.E.MOSFET)	• (A.D.E.MOSFET)	• (A.D.E.MOSFET)					
Pioneer Hybrid Amplification (All channels)				•	•	•	•	•
Front L & R Bi-Amplifier Function	•	•	•					
MULTI-CHANNEL ACOUSTIC CALIBRATION SYSTEM (MCACC)								
MCACC	• (with MIC)	• (with MIC)	• (without MIC)					
Acoustic Calibration EQ	9-band (Auto/Manual)	• 5-band (Auto/Manual)	• (Manual)					
Auto Surround Set-Up Trim	•	•						
Delay	•	•						
Speaker System	•	•						
AUDIO FEATURES								
DSP (Digital Signal Processor)	Sharc 32-bit x 2, 48-bit (24-bit double precision)	• 24-bit x 2	• 24-bit x 2	•	•	•	•	•
192 kHz/24-Bit D/A Converter	•	•	•					
96 kHz/24-Bit D/A Converter				•	•	•	•	•
96 kHz/24-Bit A/D Converter (multi-channel)	•							
96 kHz/24-Bit A/D Converter (2-channel)	•	•		•	•	•		
Audio Scaler		•	•					
Precision Gain Management (PGM) Volume Control	•							
Analogue Down Mixing for Centre Channel	•							
DNR (Digital Noise Reduction)	•	•	•					
Midnight Listening Mode	•	•	•	•	•	•	•	•
Quiet Mode							•	•
Natural							•	•
Bright							•	•
Source Direct	•	•	•	•	•	•		
Bass/Treble Tone Controls	+/- 6 dB (100 Hz/10 kHz)	•	•	•	•	•		
Loudness	•	•	•	•	•	•		
S Bass							•	•

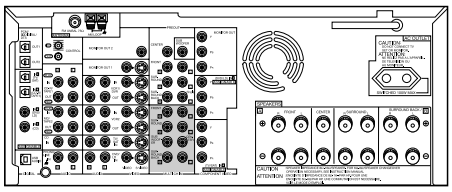
A/V Amplifiers & Receivers Features - 2

	VSA-AX10	VSX-D2011-S	VSX-D1011-S/ VSX-D1011-K	VSX-D811S-S/ VSX-D811S-K	VSX-D711-S/ VSX-D711-K	VSX-D511-S/ VSX-D511-K	VSX-C550-S	VSX-C100-S/ VSX-C100-K
VIDEO FEATURES								
Video Signal Selector	•	•	•	•	•	•	•	•
Video Converter	•							
CONVENIENCES								
On-Screen Display (GUI)	•	•						
Remote Control	LCD Touch Panel LCD & Preset & Learning	LCD & Preset & Learning	Preset & Learning	Preset & Learning	Preset	SR	Preset	Preset
Multi-Operation System (Macro)	•	•	•					
Remote Control Illumination	LCD	•						
DVD Control	•	•	•	•	•	•		
Satellite Tuner Control	•	•	•	•	•			
MCD Control	•	•	•	•	•			
DTV Control	•	•	•	•	•			
Function Rename	•	•	•					
FL Dimmer	4 steps	•	•	•	•	•	•	•
Sleep Timer							•	•
AMX Ready (RS-232C)	•							
TUNER								
RDS (Radio Data System)		•	•	•	•	•	•	•
Random Preset Stations		30	30	30	30	30	30	30
TERMINALS								
USB		•						
Multi-Channel Input	7.1 ch	7.1 ch	7.1 ch	7.1 ch (DVD)	5.1 ch (DVD)	5.1 ch (DVD)		
RF Input for Dolby Digital (Demodulator)	•							
Digital Input	8 (assign)	5 (assign)	4 (assign)	5 (assign)	3 (assign)	3 (assign)	4 (assign)	4 (assign)
Coaxial	3	2	2	2	2	2	1	1
Optical	5 (includes Front in)	3 (front 1)	2	3 (front 1)	1	1	3 (front 1)	3 (front 1)
Digital Output (Optical)	2	2	2	1	1	1		
Audio (TUNER Included)/Video Inputs	5A / 7AV	5A / 5AV	5A / 5AV	4A / 4AV	4A / 4AV	3A / 3AV	1A / 4AV	1A / 4AV
Audio/Video Output	2A / 3AV + 2V	2A / 2AV + 2V	2A / 2AV + 1V	1A / 1AV + 1V	1A / 1AV + 1V	1A / 1AV + 1V	1AV + 2V	1AV + 2V
Phono Input	•	•						
S-Video Input/Output	7/4 (includes Front in)	5/3 (includes Front in)	5/3 (includes Front in)	4/2 (includes Front in)	4/2 (includes Front in)	3/2		
Component Input/Output	3/1 (assign)	2/1 (assign)						
Preamp Output	• All (7.1 ch)	• All (7.1 ch)	• All (7.1 ch)	• All (6.1 ch)	• (C/SW)	• (SW)	• (SW)	• (SW)
Power Amp Input	FL/FR							
A/V Input on Front	•	•	•	•	•		•	•
SR (System Remote) Terminal	• (In/Out)	• (In/Out)	• (In/Out)	• (Out)	• (Out)	• (Out)	• (In/Out)	• (In/Out)
Speaker A/B	Versatile Speaker Configuration	Versatile Speaker Configuration	Versatile Speaker Configuration	Independent	Independent	A only	A only	A only
Large Speaker Terminals	• (All)	• (All)	• (All)	• (All)	• (All)			

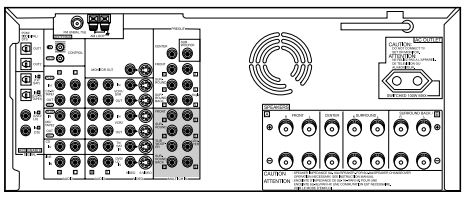
A/V Amplifiers & Receivers Rear Panels



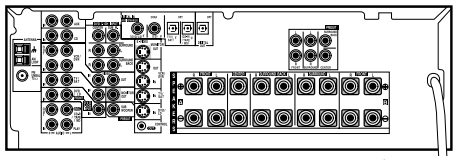
VSA-AX10



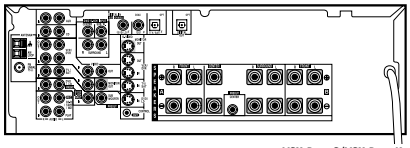
VSX-D2011-S



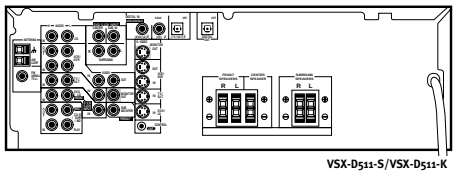
VSX-D1011-S/VSX-D1011-K



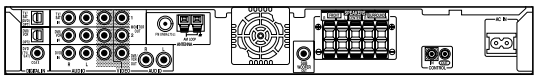
VSX-D811S-S/VSX-D811S-K



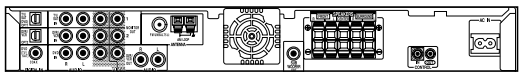
VSX-D711-S/VSX-D711-K



VSX-D511-S/VSX-D511-K



VSX-C550-S

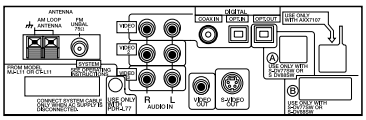


VSX-C100-S/VSX-C100-K

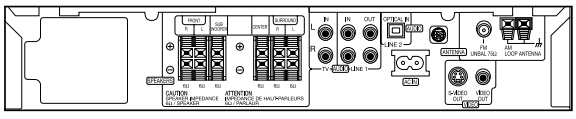
A/V Amplifiers & Receivers Specifications

	VSA-AX10	VSX-D2011-S	VSX-D1011-S/ VSX-D1011-K	VSX-D811S-S/ VSX-D811S-K	VSX-D711-S/ VSX-D711-K	VSX-D511-S/ VSX-D511-K	VSX-C550-S	VSX-C100-S/ VSX-C100-K
AMPLIFIER SECTION								
Rated Power Output	150 W + 150 W 20 - 20 kHz, 0.09 %, 6 Ω	100 W + 100 W 20 - 20 kHz, 0.09 %, 8 Ω	100 W + 100 W 20 - 20 kHz, 0.09 %, 8 Ω	100 W + 100 W 40 - 20 kHz, 0.2 %, 8 Ω	100 W + 100 W 40 - 20 kHz, 0.2 %, 8 Ω	80 W + 80 W 40 - 20 kHz, 0.2 %, 8 Ω		
DIN Continuous Power Output (1 kHz, THD 1 %)								
Stereo	170 W/ch (6 Ω)	100 W/ch (8 Ω)	100 W/ch (8 Ω)	100 W/ch (8 Ω)	100 W/ch (8 Ω)	80 W/ch (8 Ω)	30 W/ch (8 Ω)	30 W/ch (8 Ω)
Surround								
Front Channels	170 W/ch (6 Ω)	100 W/ch (8 Ω)	100 W/ch (8 Ω)	100 W/ch (8 Ω)	100 W /ch (8 Ω)	80 W /ch (8 Ω)	30 W/ch (8 Ω)	30 W/ch (8 Ω)
Centre Channel	170 W (6 Ω)	100 W (8 Ω)	100 W (8 Ω)	100 W (8 Ω)	100 W (8 Ω)	80 W (8 Ω)	30 W (8 Ω)	30 W (8 Ω)
Rear Channels	170 W/ch (6 Ω)	100 W/ch (8 Ω)	100 W/ch (8 Ω)	100 W/ch (8 Ω)	100 W/ch (8 Ω)	80 W/ch (8 Ω)	30 W/ch (8 Ω)	30 W/ch (8 Ω)
Surround Back Channel	170 W/ch (6 Ω)	100 W (8 Ω)	100 W (8 Ω)	100 W (8 Ω)				
Input (Sensitivity/Impedance)								
PHONO (MM)	4.7 mV/47 kΩ	4.7 mV/47 kohms						
Line (DVD, CD ,etc)	382 mV/47 kΩ	335 mV/47 kohms	335 mV/47 kohms	200 mV/47 kΩ	200 mV/47 kΩ	200 mV/47 kΩ	200 mV/47 kΩ	200 mV/47 kΩ
Frequency Response								
PHONO (MM)	20 – 20,000 Hz +/-0.3 dB	20 – 20,000 Hz +/-0.3 dB						
Line (DVD, CD ,etc)	5 – 100,000 Hz +0 dB, -3 dB	5 – 100,000 Hz +0 dB, -3 dB	5 – 100,000 Hz +0 dB, -3 dB	5 – 100,000 Hz, +0 dB, -3 dB	5 – 100,000 Hz, +0 dB, -3 dB	5 – 100,000 Hz, +0 dB, -3 dB	5 – 100,000 Hz +0 dB, -3 dB	5 – 100,000 Hz +0 dB, -3 dB
Signal-to-Noise Ratio								
(DIN; continuous rated power output/50 mW)								
PHONO (MM)	70/68 dB							
Line	93/73 dB	92/65dB	92/65dB	88/64 dB	88/64 dB	88/64 dB	88/64 dB	88/64 dB
FM TUNER SECTION								
Usable Sensitivity (Mono)		15.2 dBf, IHF (1.6 µV/75 Ω)	15.2 dBf, IHF (1.6 µV/75 Ω)	15.2 dBf, IHF (1.6 µV/75 Ω)	15.2 dBf, IHF (1.6 µV/75 Ω)	15.2 dBf, IHF (1.6 µV/75 Ω)	15.2 dBf, IHF (1.6 µV/75 Ω)	15.2 dBf, IHF (1.6 µV/75 Ω)
Sensitivity (DIN)								
Mono (26 dB S/N, 75 Ω)		1.1 µV	1.1 µV	1.1 µV	1.1 µV	1.1 µV	1.1 µV	1.1 µV
Stereo (46 dB S/N, 75 Ω)		50 µV	50 µV	50 µV	50 µV	50 µV	50 µV	50 µV
Signal-to-Noise Ratio								
Mono (DIN)		76 dB(at 85 dBf)	76 dB (at 85 dBf)	62 dB	62 dB	62 dB	62 dB	62 dB
Stereo (DIN)		72 dB (at 85 dBf)	72 dB (at 85 dBf)	58 dB	58 dB	58 dB	58 dB	58 dB
Stereo Separation (1 kHz)		40 dB	40 dB	40 dB	40 dB	40 dB	40 dB	40 dB
VIDEO SECTION								
Input (Sensitivity/Impedance)	1 V p-p/75 Ω	1 V p-p/75 Ω	1 V p-p/75 Ω	1 V p-p/75 Ω	1 V p-p/75 Ω	1 V p-p/75 Ω	1 V p-p/75 Ω	1 V p-p/75 Ω
COMPONENT VIDEO								
Frequency Response (720p compatible)	5 Hz – 40 MHz +0 dB, -3 dB	5 Hz – 40 MHz +0 dB, -3 dB	5 Hz – 40 MHz +0 dB, -3 dB					
MISCELLANEOUS								
Power Requirements	AC 220 – 230 V 50/60 Hz	AC 220 – 230 V 50/60 Hz	AC 220 – 230 V 50/60 Hz	AC 220 – 230 V (UK 230 V) 50/60 Hz	AC 220 – 230 V 50/60 Hz	AC 220 – 230 V 50/60 Hz	AC 220 – 230 V 50/60 Hz	AC 220 – 230 V 50/60 Hz
Power Consumption	660 W	600 W	600 W	280 W	250 W	220 W	120 W	120 W
Power Consumption in standby mode	0.65 W	0.7 W	0.7 W	1 W	1 W	1 W	1 W	1 W
Dimensions (W x H x D)	440 x 203 x 472 mm	420 x 188 x 464 mm	420 x 188 x 464 mm	420 x 158 x 401 mm	420 x 158 x 401 mm	420 x 158 x 393 mm	420 x 65 x 319 mm	420 x 65 x 319 mm
Weight	29.3 kg	19.6 kg	18.2 kg	10.0 kg	10.0 kg	9.0 kg	4.8 kg	4.8 kg

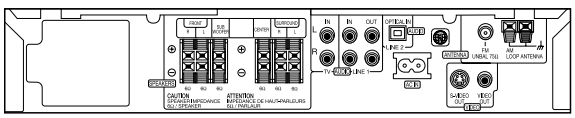
Home Cinema Systems Rear Panels



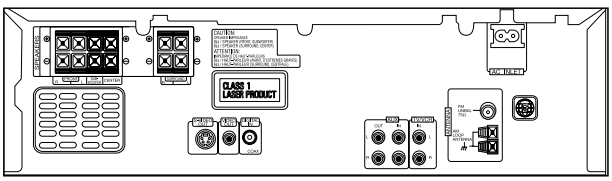
NS-DV88/NS-DV77



DCS-505



DCS-303



HTD-50

A/V Speakers Specifications - 1

	S-V70-II	S-V50A	S-V50-II-QL/ S-V50-II-K	S-V59-II	S-V40	S-V32-QL/ S-V32-W
SYSTEM						
Centre speakers	compact	compact	compact	compact	compact	compact
Front speakers	satellite	satellite	satellite	satellite	satellite	satellite
Rear speakers	satellite	satellite	satellite	satellite	satellite	satellite
Magnetically shielded for video use	•	•	•	•	•	•
Front	7.7 cone woofer (x 2), 2 cm dome tweeter	5.2 cm cone woofer (x 2)	5.2 cm cone woofer (x 2)	10 cm dual-cone	9 cm cone type	8.3 cm cone type
Centre	7.7 cm cone woofer (x 2), 2 cm dome tweeter	5.2 cm cone woofer (x 2)	5.2 cm cone woofer (x 2)	10 cm cone woofer (x 2), 2.5 cm dome tweeter	9 cm cone type	8.3 cm cone type
Rear	7.7 cm cone woofer (x 2), 2 cm dome tweeter	5.2 cm cone woofer (x 2)	5.2 cm cone woofer (x 2)	10 cm dual-cone	9 cm cone type	8.3 cm cone type
Subwoofer Module	22 cm cone woofer	22 cm cone woofer	22 cm cone woofer	22 cm cone woofer	14 cm cone woofer	22 cm cone woofer
Front Bass-reflex type enclosure	•	•	•	•	•	•
Built-in Amplifier	•	•	•	•	•	•
Stereo (Screw Terminal)	•	•	•	•		•
Mono (Pin Jack)	•	•	•	•	•	•
Power Consumption (for max. output power)	300 W	210 W	210 W	210 W	35 W	210 W
Power Requirements	AC 220 – 230 V 50/60 Hz	AC 220 – 230 V 50/60 Hz	AC 220 – 230 V 50/60 Hz	AC 220 – 230 V 50/60 Hz	AC 220 – 230 V 50/60 Hz	AC 220 – 230 V 50/60 Hz
Input Sensitivity/Impedance (100 Hz)						
Speaker level	2.0 V + 2.0 V/15 kΩ*	2.0 V + 2.0 V/15 kΩ*	2.0 V + 2.0 V/15 kΩ*	2.0 V + 2.0 V/15 kΩ*		2.0 V + 2.0 V/15 kΩ*
Line level (RCA Jack)	200 mV/50 kΩ	200 mV/50 kΩ	200 mV/50 kΩ	200 mV/50 kΩ	160 mV/50 kΩ	200 mV/50 kΩ
Impedance	8 Ω	8 Ω	8 Ω	8 Ω	8 Ω	8 Ω
Frequency Range	60 – 40,000 Hz (front) 60 – 40,000 Hz (rear) 62 – 42,000 Hz (centre) 30 – 200 Hz (subw)	90 – 20,000 Hz (front) 90 – 20,000 Hz (rear) 80 – 20,000 Hz (centre) 30 – 200 Hz (subw)	90 – 20,000 Hz (front) 90 – 20,000 Hz (rear) 80 – 20,000 Hz (centre) 30 – 200 Hz (subw)	60 – 20,000 Hz (front) 60 – 20,000 Hz (rear) 60 – 35,000 Hz (centre) 30 – 200 Hz (subw)	100 – 20,000 Hz (front) 100 – 20,000 Hz (rear) 100 – 20,000 Hz (centre) 40 – 200 Hz (subw)	80 – 20,000 Hz (front) 80 – 20,000 Hz (rear) 80 – 20,000 Hz (centre) 30 – 200 Hz (subw)
Sensitivity (1 m/W)	89 dB/W	88 dB/W	88 dB/W	90 dB/W	88 dB/W (sat)	89 dB/W
Maximum Power	130 W (satellite) 150 W (subw) RMS	100 W (satellite) 110 W (subw) RMS	100 W (satellite) 110 W (subw) RMS	100 W (satellite) 110 W (subw) RMS	80 W (satellite) 50 W (subw) RMS	80 W (satellite) 110 W (subw) RMS
DIMENSIONS (W x H x D)						
Front	150 x 300 x 70 mm	130 x 200 x 59 mm	130 x 200 x 59 mm	150 x 190 x 90 mm	100 x 160 x 70,5 mm	110 x 220 x 78 mm
Rear	300 x 150 x 70 mm	130 x 200 x 59 mm	130 x 200 x 59 mm	150 x 190 x 90 mm	100 x 160 x 70,5 mm	110 x 220 x 78 mm
Centre	150 x 300 x 70 mm	240 x 94 x 97 mm	240 x 94 x 97 mm	440 x 150 x 110 mm	100 x 160 x 70,5 mm	220 x 110 x 78 mm
Subwoofer	280 x 480 x 495 mm	250 x 480 x 475 mm	250 x 480 x 475 mm	250 x 480 x 475 mm	165 x 360 x 284 mm	250 x 480 x 475 mm
WEIGHT						
Front	2.7 kg	0.9 kg	0.9 kg	1.3 kg	0.62 kg	0.8 kg
Rear	2.7 kg	0.9 kg	0.9 kg	1.3 kg	0.62 kg	0.8 kg
Centre	2.7 kg	0.9 kg	0.9 kg	3 kg	0.62 kg	0.8 kg
Subwoofer	19.7 kg	14.2 kg	14.2 kg	14.2 kg	7.3 kg	14.2 kg

A/V Speakers Specifications - 2

	S-V510	S-V310-QL	S-V230-QL/ S-V230-W	S-W150S	S-W110S-QL/ S-W110S-K	S-W40S
SYSTEM						
Centre speakers	compact	compact	compact			
Front speakers	floor-standing	floor-standing	floor-standing			
Rear speakers	satellite	satellite	satellite			
Magnetically shielded for video use	•	•	•			
Front	14 cm cone woofer (x 3), 2.5 cm dome tweeter	14 cm cone woofer (x 2), 2.5 cm dome tweeter	13 cm cone woofer, 7 cm cone midrange, 2.5 cm dome tweeter			
Centre	10 cm cone woofer (x 2), 2.5 cm dome tweeter	8.3 cm cone type	8.3 cm cone type			
Rear	10 cm dual-cone	8.3 cm cone type	8.3 cm cone type			
Subwoofer Module				22 cm cone woofer	22 cm cone woofer	14 cm cone woofer
Front Bass-reflex type enclosure				•	•	•
Built-in Amplifier				•	•	•
Stereo (Screw Terminal)				•	•	
Mono (Pin Jack)				•	•	•
Power Consumption (for max. output power)				300 W	210 W	35 W
Power Requirements				AC 220 – 230 V 50/60 Hz	AC 220 – 230 V 50/60 Hz	AC 220 – 230 V 50/60 Hz
Input Sensitivity/Impedance (100 Hz)						
Speaker level				2.0 V + 2.0 V/15 kΩ*	2.0 V + 2.0 V/15 kΩ*	
Line level (RCA Jack)				200 mV/50 kΩ	200 mV/50 kΩ	160 mV/50 kΩ
Impedance	8 Ω	8 Ω	8 Ω			
Frequency Range	30 – 35,000 Hz (front) 60 – 20,000 Hz (rear) 60 – 35,000 Hz (centre)	35 – 35,000 Hz (front) 80 – 20,000 Hz (rear) 80 – 20,000 Hz (centre)	40 – 20,000 Hz (front) 80 – 20,000 Hz (rear) 80 – 20,000 Hz (centre)	30 – 200 Hz	30 – 200 Hz	40 – 200 Hz
Sensitivity (1 m/W)	90 dB/W	90 dB/W (Front) 89 dB/W (Rear, Centre)	89 dB/W			
Maximum Power	100 W	100 W (front) 80 W (rear, centre)	80 W	150 W RMS	110 W RMS	50 W RMS
DIMENSIONS (W x H x D)						
Front	251 x 1,030 x 422 mm (with base) 185 x 1,000 x 390 mm (without base)	240 x 925 x 345 mm (with base) 184 x 900 x 318 mm (without base)	160 x 850 x 271 mm			
Rear	150 x 190 x 90 mm	110 x 220 x 78 mm	110 x 220 x 78 mm			
Centre	440 x 150 x 110 mm	220 x 110 x 78 mm	220 x 110 x 78 mm			
Subwoofer				280 x 480 x 495 mm	250 x 480 x 475 mm	165 x 360 x 284 mm
WEIGHT						
Front	18.5 kg	11.5 kg	6.8 kg			
Rear	1.3 kg	0.8 kg	0.8 kg			
Centre	3 kg	0.8 kg	0.8 kg			
Subwoofer				19.7 kg	14.2 kg	7.3 kg

Plasma TV Specifications

	PDP-503HDE	PDP-433HDE
PICTURE		
Screen Size	50-inch	43-inch
Aspect Ratio	16:9	16:9
Number of Pixels	1,280 (Hor) x 768 (Ver)	1,024 (Hor) x 768 (Ver)
Brightness	900 cd/m2	1000 cd/m2
Contrast Ratio	900:1	1000:1
Viewing Angle	more than 160° (Hor/Ver)	more than 160° (Hor/Ver)
3 Line Digital Comb Filter	PAL/NTSC-M (Main & Sub)	PAL/NTSC-M (Main & Sub)
Video Signals	PAL/SECAM/NTSC3.58/NTSC4.43/PAL60	PAL/SECAM/NTSC3.58/NTSC4.43/PAL60
PC Signals	VGA/SVGA/XGA/Wide XGA	VGA/SVGA/XGA/True XGA
Dual Screen [1]	•	•
Still Picture (Sub Screen)	•	•
Digital Enhancer Hor / Ver	• / •	• / •
100 Hz Progressive Scan	•	•
CTI (Colour Transient Improvement)	•	•
Dynamic Gamma Correction	•	•
Black Level Expansion	• (3 steps)	• (3 steps)
Colour Temperature Adjustment	• (5 steps)	• (5 steps)
PureCinema [1]	• (on/off)	• (on/off)
Black & White Mode	• (on/off)	• (on/off)
AV Selection (Programmed Picture)	• (STD/Dynamic/Movie/Game/User)	• (STD/Dynamic/Movie/Game/User)
TUNER		
Reception System	PAL BG/I/DK, SECAM BG/DK/L/L'	PAL BG/I/DK, SECAM BG/DK/L/L'
Stereo / Dual Sound	NICAM UK/SK/FR, CCIR A2 BG/DK	NICAM UK/SK/FR, CCIR A2 BG/DK
Auto Channel Preset	•	•
Auto Channel Labeling	•	•
Auto Channel Sort	•	•
Number of Preset Channels	99	99
Teletext	CEEFAX/FLOF/TOP (with TOP Over View Page)	CEEFAX/FLOF/TOP (with TOP Over View Page)
Number of Languages	25	25
Page Memory	252 pages	252 pages
Picture and Text (Dual Screen)	•	•
CONTROL		
OSD	High-Quality Font	High-Quality Font
Number of Languages	12 (GB/D/F/NL/I/E/P/S/FIN/GR/TR/RUS)	12 (GB/D/F/NL/I/E/P/S/FIN/GR/TR/RUS)
Remote Controller	SR	SR
Energy Save mode (for AV and PC)	• (on/off)	• (on/off)
Auto Power Off (for AV)	• (on/off)	• (on/off)
Power Management (for PC)	• (mode 1 & 2/off)	• (mode 1 & 2/off)
i/oLink.A	•	•
AUDIO		
Audio Output Power	12 W + 12 W (Music Power, 8 ohms)	12 W + 12 W (Music Power, 8 ohms)
Tone Control	Bass, Treble, Balance	Bass, Treble, Balance
Surround Sound	FOCUS [2], SRS [2]	FOCUS [2], SRS [2]
CONNECTION TERMINALS		
Input 1 (SCART)	AV In, RGB In, TV Out	AV In, RGB In, TV Out
Input 2 (SCART)	AV In/Out, S Input, i/o Link.A	AV In/Out, S Input, i/o Link.A
Input 3 (SCART/ Component)	AV In/Out, RGB In, S in, Y/Pb/Pr In (RCA pin)	AV In/Out, RGB In, S in, Y/Pb/Pr In (RCA pin)
Monitor Out (RCA pin)	AV Out, S Out	AV Out, S Out
Input 4 (Front)	AV Input, S Input	AV Input, S Input
PC (Front)	D-sub15 In, Stereo Mini jack (Audio)	D-sub15 In, Stereo Mini jack (Audio)
SR Control In/Out	Mini Jack x 2	Mini Jack x 2
Others	Antenna terminal (DIN) System Connection x 2 (for connecting PDP screen and media receiver) Speaker Out L/R (Display Rear, 8 – 16 ohms)	Antenna terminal (DIN) System Connection x 2 (for connecting PDP screen and media receiver) Speaker Out L/R (Display Rear, 8 – 16 ohms)
GENERAL		
Dimensions Display (W x H x D)	1,218 x 714 x 98 mm	1,070 x 630 x 98 mm
Media Receiver (W x H x D)	420 x 70 x 332 mm	420 x 70 x 332 mm
Weight (Display)	38.9 kg	31.5 kg
(Media Receiver)	4.4 kg	4.4 kg
Power Consumption (Total)	396 W (Stand-by 1.4 W)	360 W (Stand-by 1.4 W)
Power Requirements	AC 220-240 V, 50/60 Hz	AC 220-240 V, 50/60 Hz

[1] This function is not available under the following conditions: 1) PC INPUT mode 2) two pictures from the same source (e.g. INPUT 1 and INPUT 2) 3) images from high frequency signal source 4) two pictures with different vertical frequencies (e.g. PAL and PAL-60)

Plasma TV Features

Media receiver

- Analogue TV tuner
- Teletext
- Nicam stereo
- Dual Screen display [1] (the screen can be split to enjoy two inputs at the same time)
- AV selection (Programmed picture quality mode selection)
- Five preset screen modes (4:3, Full, Zoom, Cinema 14:9, Wide)
- Colour temperature adjustment
- PureCinema (NTSC only)
- FOCUS [2] and SRS [2] create a completely immersive sound image
- Built-in amplifier for optional speakers
- Child Lock

Plasma display

- PDP-503HDE: large 50-inch/127 cm screen
- PDP-433HDE: large 43-inch/109 cm screen
- Wide screen 16:9 aspect ratio
- 160-degree viewing angle – no one misses the action
- 100 Hz flicker-free, progressive scanning
- Ultra-slim – ideal to hang on the wall – less than 10 cm deep
- Outstanding brightness, improved contrast and stunning picture quality
- Noise-free: there is no fan, so nothing disturbs the silence of film scenes

Conveniences

- Easy to set up: 1 cable connection between display and media receiver
- Auto installation (Auto channel preset, etc.)
- Smart OSD (On-Screen Display)
- PC Input up to True XGA
- Energy save mode and Auto power off
- i/oLink.A system for easy and advanced operation of external video recording equipment

[2] FOCUS and SRS (●)® are trademarks of SRS Labs, Inc.

CD Recorders
Features

	PDR-W839	PDR-609
DRIVE		
CD-R	Single-tray	Single-tray
CD	3-CD	–
Applicable Discs	CD/CD-R/CD-RW	CD/CD-R/CD-RW
DIGITAL FEATURES		
D/A Converter	24-bit D/A Converter	24-bit D/A Converter
A/D Converter	24-bit A/D Converter	24-bit A/D Converter
Legato Link Conversion	•	•
Sampling Rate Converter	•	•
STRUCTURAL FEATURES		
High Rigidity Chassis	•	•
Clean Laser Pickup Circuit	•	•
Three-Beam Differential Push-Pull Pickup	•	•
RECORDING FEATURES		
Z-Concept	•	•
Erase (CD-RW disc)		
Last Track	•	•
All-Track	•	•
Multi Track	•	•
Disc	•	•
TOC (Unfinalise)	•	•
Track Skip ID Input	•	•
Digital Recording Level Control (dB)	• (-∞ ~ +20)	• (-∞ ~ +20)
Digital Recording Balance Control	•	•
Digital Synchro Recording (Ext. Input)		
1-Track	•	•
All-Track	•	•
All-Track + Auto Finalise	•	•
DAT ID Synchro	•	•
Category Code Display (Digital input)	•	•
Analogue Synchro Recording (Ext. Input)		
1-Track	•	•
All-Track	•	•
All-Track + Auto Finalise	•	•
Auto Synchro Start Level Adjustment	•	•
Audio Buffer	•	•
Auto Stop Delay	•	•
Rec Mute	•	•
Auto Track Increment	•	•
Auto Track Increment Level Adjustment(Digital)	-24 ~ 78 dB (6 dB Step)	-24 ~ 78 dB (6 dB Step)
Auto Track Increment Level Adjustment(Analogue)	-24 ~ 66 dB (6 dB Step)	-24 ~ 66 dB (6 dB Step)
Auto Time Increment	• (1, 3, 5 Seconds)	• (1, 3, 5 Seconds)
Manual Track Increment	•	•
Input Selector (Digital [Coaxial/Optical]/Analogue)	• (Coax/Opt/Analogue)	• (Coax/Opt/Analogue)
Finalise (TOC Write)	•	•
Sampling Monitor	•	•
Fade-in/Fade out	• (1 ~ 12 sec)	• (1 ~ 12 sec)
SCMS (Serial Copy Management System)	•	•
Previous Monitor		•
Copy (Internal)		
1 x Copy: Digital/Analogue	•/•	
2 x Copy: Digital/Analogue	•/•	
Auto SCMS Copy	•	
One Touch Copy	•	
1-Track	•	
1-Disc	•	
Program	•	
REC THIS	•	
Auto Space	•	
Rec Volume Control	•	
Rec Balance Control	•	
Playback Before Copy Executing	•	
CD Text Display	•	•
CD Text Input		
Characters	Caps/Small/Mark/Numeric	Caps/Small/Mark/Numeric
Disc Name	•	•
Artist Name	•	•
Track Name	•	•
Name Clip	• (3 Names)	• (3 Names)
Name Memory	• (3 Discs)	• (3 Discs)
PLAYBACK FUNCTIONS		
Z-Concept	•	•
Direct Track Search	•	•
Manual/Track Search	•	•
Index Search		•
Direct Song Selection	•	•
Random Play	• (Multi Disc OK)	•
Programmed Play	•	•
Talk-Back Input	•	•
Direct Program	•	•
Programme Check	•	•
Programme Clear	•	•
Repeat Play		
1-Track, All-Track	•	•
Programmed, Random	•	•
Relay play	• (CD_1/CD_2/CD_3/CD-R)	
Skip Play	•	•
Fade-In/Fade-Out	• (1 ~ 12 sec)	• (1 ~ 12 sec)
Timer Play	•	•
DISPLAY		
Level Meter	• (14 seg/ch)	• (14 seg/ch)
Remaining Recording Time	•	•
Display On/Off (Dimmer)		
Time Display Switching	•	•
TERMINALS		
Optical Digital Input/Output	1/1	1/1
Coaxial Digital Input/Output	1/1	1/1
Line Input/Output	1/1	1/1
Headphone Jack	1	1
Keyboard Terminal	1	
Control Input	1	1
TEXT Control		1

CD Recorders Specifications

	PDR-W839	PDR-609
COMPACT DISC RECORDER		
Number of Channels	2	2
Frequency Response	2 – 20,000 Hz	2 – 20,000 Hz
Sampling Frequency (Recording/Playback)	44.1 kHz	44.1 kHz
Signal-to-Noise Ratio		
Recording	92 dB	92 dB
Playback	112 dB	112 dB
Dynamic Range (EIAJ)		
Recording	92 dB	92 dB
Playback	98 dB	98 dB
Total Harmonic Distortion (1 kHz)		
Recording	0.004 %	0.004 %
Playback	0.0017 %	0.0017 %
MISCELLANEOUS		
Power Requirements		
Power Consumption	17 W	13 W
Dimensions (W x H x D)	420 x 128 x 380 mm	420 x 105 x 295 mm
Weight	5.7 kg	3.5 kg
COMPACT DISC PLAYER		
Frequency Response	2 – 20,000 Hz	
Signal-to-Noise Ratio	112 dB	

MiniDisc Recorders Features

	MJ-D508	MJ-L11
DIGITAL FEATURES		
Legato Link Conversion	•	
RECORDING FUNCTIONS		
Recording Volume Control		
Analogue	• (single)	
Digital	• (full fs)	
Fader (5 sec.)	• (full fs)	
Digital REC Volume Memory	•	
Sampling Rate Converter	•	
Advanced Parameter Processing	•	
Digital NR (Noise Reduction)	•	
Monaural Long Time Mode	•	
Level Synchro Recording (1-Track/All)	•	
Space Cut	•	
Automark (3-step)	•	
Recovery Recording (6 sec.)	•	
Timer Recording	•	
PLAYBACK OPTIONS		
Digital NR (Noise Reduction)	•	
Fader (5 sec.)	•	
DAC Mode (Digital Volume/Digital NR)	•	
Monaural x 2 Playback	•	
Time Skip (60/15 sec.)	•	
Medley Playback (Fade-out: 2 sec/Cut: 10 sec.)	•	
Programme Play	30	24
Random Play	•	•
Repeat Play (1/All/A-B)	•	•
A-B Repeat	•	
Timer Play (Fader/Programme)	•	
EDIT FUNCTIONS		
Title Input (Name Input)	• (40 x 3 names)	
Move (Track/Programme)	•	
Combine (Track/A-B)	•	
Divide	•	
Erase (All/1-track/A-B)	•	
Undo	•	
UTOC Write	•	
TERMINALS		
Analogue Input (RCA Pin Jack)	1	
Digital Input (Optical/Coaxial)	1/1	1/0
Analogue Output (RCA Pin Jack)	1	
Digital Output (Optical)	1	
Headphone Output (with Volume)	1	

MiniDisc Recorders Specifications

	MJ-D508	MJ-L11
Frequency Response	8 – 20,000 Hz	20 – 20,000 Hz
Signal-to-Noise Ratio (EIAJ)	100 dB	96 dB
Power Requirements	220 – 230 V 50 – 60 Hz	220 – 230 V 50 – 60 Hz
Power Consumption	15 W	11 W
Dimensions (W x H x D)	420 x 105 x 294 mm	220 x 65 x 313 mm
Weight	3.5 kg	2.5 kg

Note: MD LP discs will only play on MD LP compatible players.

CD File-Type Players & Multi CD Players Features

	PD-F1009	PD-F1007	PD-F958	PD-F706	PD-F607	PD-M603 (UK only)	PD-M426	PD-M406
FORMAT								
Separate Single-Disc Slot (S = Single Loader)	• (S)	• (S)	• (S)	•				
Disc Capacity	301	301	101	25+1	25	6	6	6
WIDE-RANGE TECHNOLOGY								
Legato Link Conversion	•	•						
DIGITAL FEATURES								
1-Bit DLC with Pulseflow D/A Converter	• [1]	• [1]	•	•	•	•	•	•
LOW-NOISE DESIGNS								
Low-Loss Laser Pickup	•	•	•	•	•	•	•	•
PLAYBACK OPTIONS								
Playback Modes								
Single Disc	•	•	•	•	•			
All Discs	•	•	•	•	•	•	•	•
"Custom File" Discs	•	•	•	•	•			
Random Play Modes						• (2)	•	•
Single Disc	•	•	•	•	•			
All Discs	•	•	•	•	•			
"Custom File" Discs	•	•	•	•	•			
Programmed Play (Tracks/Discs)	36	36	36	24	32	32	32	32
Total Time Display	•	•	•	•	•			
Repeat Modes	8	8	8	8	8	7	4	4
Single Track	•	•	•	•	•		•	•
Single Disc	•	•	•	•	•			
All Discs	•	•	•	•	•		•	•
"Custom File" Discs	•	•	•	•	•			
Single Disc Random	•	•	•	•	•			
All Discs Random	•	•	•	•	•		•	•
"Custom File" Discs Random	•	•	•	•	•			
Programmed Tracks	•	•	•	•	•		•	•
CONVENIENCES								
"Custom Filing"	• (5)	• (10)	• (3)	• (3)	• (3)			
CD Text	•	•	•		•			
Title Input		•	•					
CD-Deck Synchro		•	•	•		•		
Full Function Remote Control with Power On/Off	•	•	•	•	•	•	•	
Previous Disc Scan	• (20)	• (20)	• (20)	• (15)	• (15)			
Best Selection Memory	• (20)	• (50)	• (20)	• (15)	• (15)			
Hi-Lite Scan with Programmed Play	•	•	•	•	•			
Memory Backup		•	•					
Memory Hold	•		•	•	•	•	•	•
Last Disc Memory	•	•	•	•	•	•	•	•
Magazine Hi-Lite Scan						•	•	•
Jog Dial	•	•						
Powered Door	•	•	•					
Direct Track Access by Number Keypad	•	• [2]	• [2]	• [2]	• [2]	•		
Timer Play (Timer Optional)						•	•	•
Auto Power-On/Power-Down Eject (Single Disc Slot)				•				
Liner-Notes File			1	1	1			
TERMINALS								
Optical Digital Output	•	•	•	•	•	•		
SR (System Remote) Terminal	• (In)		• (In)					•
One More 300CD's Connect		•						
I/O Interface Terminals			•					
Headphone Output with Volume Control		•	•	•	•	•		
Keyboard Input		•						
ANTI-RESONANCE AND ANTI-VIBRATION DESIGNS								
Honeycomb Chassis						•	•	•
Large Insulators	•	•	•	•	•	•	•	•

[1] **Without pulseflow**
[2] **Remote control**

CD File-Type Players & Multi CD Players Specifications

	PD-F1009	PD-F1007	PD-F958	PD-F706	PD-F607	PD-M603 (UK only)	PD-M426	PD-M406
Frequency Response	2 – 20,000 Hz	2 – 20,000 Hz	2 – 20,000 Hz	2 – 20,000 Hz	2 – 20,000 Hz	2 – 20,000 Hz	2 – 20,000 Hz	2 – 20,000 Hz
Signal-to-Noise Ratio (EIAJ)	105 dB	98 dB	98 dB	98 dB	98 dB	102 dB	98 dB	98 dB
Dynamic Range (EIAJ)			96 dB	96 dB	95 dB		95 dB	96 dB
Channel Separation (EIAJ)								95 dB
Distortion (EIAJ)			0.003 %	0.003 %	0.005 %		0.005 %	0.003 %
Power Requirements			220 – 240 V, 50 – 60 Hz	220 – 240 V, 50 – 60 Hz	220 – 240 V, 50 – 60 Hz		220 – 240 V, 50 – 60 Hz	220 – 240 V, 50 – 60 Hz
Power Consumption	12 W			14 W	13 W	13 W	12 W	12 W
Dimensions (W x H x D)	420 x 193 x 433 mm	420 x 193 x 433 mm	420 x 193 x 402 mm	420 x 190 x 316 mm	420 x 193 x 312 mm	420 x 105 x 299 mm	420 x 105 x 294 mm	420 x 105 x 294 mm
Weight	7.5 kg	8 kg	6.5 kg	5 kg	4.8 kg	3.8 kg	3.7 kg	3.7 kg

CD Player Features

	PD-5707
FORMAT	
Disc Capacity	1
WIDE-RANGE TECHNOLOGY	
Hi-bit Legato Link Conversion	•
DIGITAL FEATURES	
DAC 24 (Jitter Proof 24-bit D/A Converter)	•
STRUCTURAL DESIGNS	
Stable Platter Mechanism	•
Centre Tray Mechanism	•
LOW-NOISE DESIGNS	
Accurate Transmission System	•
Low-Loss Laser Pickup	•
Display Off Switch	•
PLAYBACK OPTIONS	
Edit Modes	
Compu-PGM	•
Auto Programme	•
Random Play Modes	• [1]
Programmed Play (Tracks/Discs)	24
Repeat Modes	• (6)
CONVENIENCES	
Time Location	• [1]
CD-Deck Synchro	•
Remote Control Unit with Power On/Off	•
Digital Level Control	• [1]
Hi-Lite Scan	•
Jog Dial Track Search	•
Direct Track Access by Number Keypad	• [1]
Timer Play (Timer Optional)	•
Music Calendar	•
TERMINALS	
Digital Output (O = Optical/C = Coaxial)	O
Digital Output On/Off	•
Headphone Output with Volume Control	•
ANTI-RESONANCE AND ANTI-VIBRATION DESIGNS	
Double Layered Chassis	•
Large Insulators	•

[1] **Remote control**

CD Player Specifications

	PD-5707
Frequency Response	2 – 20,000 Hz
Frequency Range Capability	2 – 40,000 Hz [1]
Signal-to-Noise Ratio (EIAJ)	110 dB
Dynamic Range (EIAJ)	99 dB
Distortion (EIAJ)	0.002 %
Power Requirements	220 – 230 V, 50 – 60 Hz
Power Consumption	14 W
Dimensions (W x H x D)	420 x 128 x 374 mm
Weight	7.2 kg

[1] **With Hi-bit Legato Link Conversion.**

Integrated Amplifiers Specifications

	A-607R	A-509R	A-307R	A-209R	A-109
AMPLIFIER SECTION					
Power Output					
DIN (1 kHz, 4 Ω)	120 W x 2	90 W x 2	80 W x 2	60 W x 2	
DIN (1 kHz, 8 Ω)	75 W x 2	60 W x 2	55 W x 2	45 W x 2	40 W x 2
Continuous Power Output					
20 – 20,000 Hz, 4 Ω	90 W x 2 [1]	65 W x 2 [1]	65 W x 2 [1]	45 W x 2 [1]	
20 – 20,000 Hz, 8 Ω	80 W x 2 [1]	45 W x 2 [1]	45 W x 2 [1]	35 W x 2 [1]	30 W x 2 [1]
Total Harmonic Distortion (20 – 20,000 Hz, 8 Ω, at –3 dB)	0.06 % [1]	0.05 % [1]	0.08 % [1]	0.08 % [1]	0.08 % [1]
Input (Sensitivity/Impedance)					
PHONO (MM)	2.8 mV/50 kΩ	2.8 mV/50 kΩ	2.8 mV/50 kΩ	2.8 mV/50 kΩ	2.8 mV/50 kΩ
CD, TUNER, AUX, TAPE	200 mV/50 kΩ	200 mV/50 kΩ	200 mV/50 kΩ	200 mV/50 kΩ	200 mV/50 kΩ
Frequency Response					
CD, TUNER, AUX, TAPE	5 – 100,000 Hz [1] +0 dB, –3 dB	5– 100,000 Hz [1] +0 dB, –3 dB	5 – 100,000 Hz [1] +0 dB, –3 dB	5 – 100,000Hz [1] +0 dB, –3 dB	5 – 100,000 Hz [1] +0 dB, –3 dB
Signal-to-Noise Ratio (DIN; continuous rated power output/50 mW)					
PHONO (MM)	71 dB/67 dB [1]	71 dB/67 dB [1]	71 dB/67 dB [1]	71 dB/67 dB [1]	71 dB/67 dB [1]
CD, TUNER, AUX, TAPE	95 dB/71 dB [1]	95 dB/71 dB [1]	91 dB/71 dB [1]	91 dB/71 dB [1]	91 dB/71 dB [1]
MISCELLANEOUS					
Power Requirements	220 – 230 V, 50 – 60 Hz	220 – 230 V, 50 – 60 Hz	220 – 230 V, 50 – 60 Hz	220 – 230 V, 50 – 60 Hz	220 – 230 V, 50 – 60 Hz
Power Consumption	220 W	160 W	140 W	130 W	80 W
Dimensions (W x H x D)	420 x 128 x 335 mm	420 x 128 x 335 mm	420 x 114 x 307 mm	420 x 114 x 307 mm	420 x 114 x 307 mm
Weight	7 kg	6.9 kg	5.9 kg	4.7 kg	4.3 kg

[1] **Direct Switch On**

Integrated Amplifiers
Features

	A-607R	A-509R	A-307R	A-209R	A-109
POWER OUTPUT					
DIN Continuous Power Output (1 kHz)					
4 Ω	120 W x 2	90 W x 2	80 W x 2	60 W x 2	
8 Ω	75 W x 2	60 W x 2	55 W x 2	45 W x 2	40 W x 2
WIDE-RANGE TECHNOLOGY					
Wide-Range Linear Circuit	•	•	•	•	•
High Channel Separation Design	•	•			
AUDIO FEATURES					
Direct Energy MOS FET Circuit	•	•	•	•	•
Low-Impedance Driving Capability	•	•	•	•	
Muting	•				
Tone Controls	•	•	•	•	•
Loudness	•	•	•	•	•
Large Insulators	•	•	•	•	•
CONSTRUCTION					
Advanced Direct Connection	•	•			
Symmetrical Construction	•	•	•	•	•
Sound Stabilisers	•	•		•	•
LOW-NOISE DESIGNS					
Toroidal Transformer	•				
Aero Wing Chassis	•	•	•	•	•
"Silent" Microprocessor System	•	•	•	•	
"DIRECT" Switch	•	•	•	•	•
Local Off Circuit (Tone/Phono)	•	•	• (Phono)	• (Phono)	• (Phono)
HIGH-QUALITY PARTS					
Complementary Capacitor Pair	•	•	•	•	•
Speaker A/B Switching Relay	•	•	•	•	• (only A)
Motor-Driven Volume Control	•	•	•	•	
Input Switching Relay	CD, TAPE 1/MD	TAPE1/ CD-R/MD			
Gold-Plated CD/Phono Inputs	•				
CONVENIENCES					
SR (System Remote) Control Unit	•	•	•	•	
Record Selector	•	•			
Two-Way Dubbing	•	•	•	•	•
4-letter Station Memory					
TERMINALS					
Audio Inputs	6	6	6	6	6
SR (System Remote) Terminal	•	•	•	•	
Headphone Output	•	•	•	•	•
Speaker Outputs	2	2	2	2	1
Discrete Outputs (All Channels)	•	•	•	•	•
A+B (Parallel)	•	•	•	•	
A/B or A+B					

Cassette Decks Specifications

	CT-W806DR	CT-W606DR	CT-W505R	CT-W208R	CT-S250
Number of Motors	4	2	2	2	1
Type of Heads					
Playback Head		1	1	1	
Recording/Playback Head	2	1	1	1	1
Erasing Head	2	1	1	1	1
Wow and Flutter WRMS	0.09 %	0.09 %	0.09 %	0.09 %	0.07 %
DIN	± 0.19 %	± 0.19 %	± 0.19 %	± 0.19 %	± 0.18 %
Frequency Response (–20 dB)					
Type IV (Metal Tape)	2 – 20,000 Hz	20 – 20,000 Hz	20 – 16,500 Hz	20 – 16,500 Hz	20 – 18,000 Hz
Type II (Chrome Tape)	20 – 19,000 Hz	20 – 19,000 Hz	20 – 16,000 Hz	20 – 16,000 Hz	20 – 17,000 Hz
Type I (Normal Tape)	20 – 18,000 Hz	20 – 18,000 Hz	20 – 16,000 Hz	20 – 16,000 Hz	20 – 17,000 Hz
Signal-to-Noise Ratio					
Digital NR (with Dolby B/C NR)	90 dB	90 dB			
Digital NR (without Dolby NR)	82 dB	82 dB			
Digital NR/Dolby NR Off	57 dB	57 dB	57 dB	57 dB	57 dB
Power Requirements	220 – 230 V, 50 – 60 Hz	220 – 230 V, 50 – 60 Hz	220 – 230 V, 50 – 60 Hz	220 – 230 V, 50 – 60 Hz	220 – 230 V, 50 – 60 Hz
Power Consumption	25 W	19 W	17 W	16 W	16 W
Dimensions (W x H x D)	420 x 125 x 250 mm	420 x 125 x 250 mm	420 x 125 x 250 mm	420 x 125 x 250 mm	420 x 125 x 280 mm
Weight	4.7 kg	4.4 kg	4 kg	3.8 kg	3.5 kg

Cassette Decks Features

	CT-W806DR	CT-W606DR	CT-W505R	CT-W208R	CT-S250
WIDE-RANGE TECHNOLOGY					
20-bit A/D-D/A Converter	•	•			
Legato Link Conversion	•				
MECHANICAL FEATURES					
Centre Mount Design					•
AUDIO FEATURES					
Digital Noise Reduction	•	•			
FLEX (Frequency Level Expander)	• (digital)	• (digital)	•		•
ALCA (Auto Level Control with Tape Analysis)	• (digital)		•		
TDNS (Tape Duplication Noise Suppressor)	• (digital)	• (digital)	•		
Super Auto BLE XD	• (digital)	• (digital)			
Auto BLE			•		
Dolby Noise Reduction	B/C	B/C	B/C	B/C	B/C
Dolby HX Pro	•	•	•		
LOW-NOISE FEATURES					
Display Off Switch					•
ANTI-RESONANCE AND ANTI-VIBRATION DESIGNS					
Honeycomb Chassis	•	•	•	•	•
CONVENIENCES					
Double Cassette Conveniences	•	•	•	•	
Auto-Reverse (R = Record, P = Play)	Deck I/II (R/P)	Deck II (R/P)/I (P)	Deck II (R/P)/I (P)	Deck II (R/P)/I (P)	
Digital Synchro (O = Optical)	• (O)				
CD-Deck Synchro	•	•	•		
Powered Loading/Eject	•				
Timer Record/Play (Timer Optional)	•				
Relay Record/Play (R = Record, P = Play)	• (R/P)	• (P)	• (P)	• (P)	
Parallel Recording	•				
Normal/High-Speed Dubbing	•	•	•	•	
Last Memory	•	•	•		
Music/Skip Search	•	•	•	•	•
Auto Space Rec Mute	•	•	•	•	•
Headphone Output (V = with Volume Control)	•	•	•		
SR (System Remote) Terminal	•	•	•	•	•
Microphone Input	•				
DISPLAY					
Electronic Counter	2-Mode	2-Mode	2-Mode		2-Mode
Fluorescent Peak-Hold Level Meter	•	•	•	• (LED)	•

Headphones Specifications

	SE-M370	SE-M270	SE-A250
Type	Closed	Closed	Open-air
Frequency Response	5 – 28,000 Hz	10 – 23,000 Hz	15 – 22,000 Hz
Impedance	35 Ω	35 Ω	35 Ω
Max. Input Power	1,000 mW	1,000 mW	100 mW
Sensitivity	102 dB	100 dB	98 dB
Driver Unit	Ø 38 mm	Ø 38 mm	Ø 38 mm
Plug	Mini / Standard Gold-plated	Mini/ Standard Gold-plated	Mini/ Standard Gold-plated
Cord Length	3.5 m (Single) (OFC)	3.5 m (Y-type) (OFC) (OFC)	3.5 m (Y-type) (OFC) (OFC)
Net Weight (w/o cord)	240 g	210 g	150 g
Head Band	Leather type	Wide width	Free adjust

Speakers Specifications

	S-H710V	S-H510V	S-H310V-QL	S-H230V-QL/ S-H230V-W	CS-7070	CS-5070	CS-3070
Enclosure	Bottom-duct bass-reflex floor-standing type	Rear-duct bass-reflex floor-standing type	Front-duct bass-reflex floor-standing type	Front-duct bass-reflex floor-standing type	Rear-duct bass-reflex bookshelf type	Rear-duct bass-reflex bookshelf type	Rear-duct bass-reflex bookshelf typ
Speakers							
Woofer	10 cm cone woofer (x 2)	14 cm cone woofer (x 3)	14 cm cone type (x 2)	13 cm cone type	25 cm cone type	20 cm cone type	20 cm cone type
Midrange				7 cm cone type	7.7 cm cone type	7.7 cm cone type	7.7 cm cone type
Tweeter	2.5 cm dome type + Super Tweeter: Riffel type	2.5 cm dome type	2.5 cm dome type	2.5 cm dome type	6.6 cm cone type	6.6 cm cone type	6.6 cm cone type
Impedance	8 Ω	8 Ω	8 Ω	8 Ω	8 Ω	8 Ω	8 Ω
Frequency Range	40 – 100,000 Hz	30 – 35,000 Hz	35 – 35,000 Hz	40 – 20,000 Hz	35 – 20,000 Hz	40 – 20,000 Hz	45 – 20,000 Hz
Sensitivity (1 m/W)	86 dB/W	90 dB/W	90 dB/W	89 dB/W	90 dB/W	90 dB/W	90 dB/W
Operation power to get 96 dB SPL at 1 m distance (DIN)	6.3 W	4 W	4 W	5 W	4 W	4 W	4 W
Maximum Power	130 W	100 W	100 W	80 W	190 W	140 W	120 W
Dimensions (W x H x D)	270 x 1,100 x 270 mm (with base) 156 x 1,065 x 150 mm (without base)	251 x 1,030 x 422 mm (with base) 185 x 1,000 x 390 mm (without base)	240 x 925 x 345 mm (with base) 184 x 900 x 318 mm (without base)	160 x 850 x 271 mm	334 x 695 x 273 mm	298 x 624 x 243 mm	258 x 540 x 234 mm
Weight	11.5 kg	18.5 kg	11.5 kg	6.8 kg	10.5 kg	8.3 kg	6.1 kg

PL-990
Full Automatic Stereo Turntable

- Full automatic operation : To provide easy hands-off operation
- Low-mass straight tone arm: Highly sensitive and resistant to resonance, track records better
- Precision DC servo motor: Pioneer Stable Hanging Rotor ends spindle wobble for smoother and more accurate platter rotation
- Universal-type cartridge connector
- Phono EQ included
- Dimensions (W X H x D): 420 x 100 x 342 mm
- Weight: 2.65 kg

DVD Recorder
Features & Specifications

	DVR-7000
Miscellaneous	
Size	420 x 373.5 x 107 mm
Region	2
Power Consumption in stand-by mode	1.5 W (FL Off)
Weight	7.0 kg
Front Panel	
Material	Aluminum
VIDEO	
DNR	•
Mosquito Noise Reduction	•
Block Noise Reduction	•
Fine Focus Digital Filter	•
REC-Format	PAL (625/50)
Playback-Format-Video	PAL/NTSC
Playback-Format-VR	PAL/NTSC
INPUT-Color System	PAL/SECAM
OUTPUT-Color System	PAL/NTSC/PAL-60
AUDIO	
96/24 DAC	•
OTHERS	
PDC/VPS	•
ShowView	•
ANTENNA	
Antenna-IN	•
Antenna-OUT	• (Through)
Nicam	•
TV-System	PAL-B/G, I, SECAM-L

	DVR-7000
GUI	
Several languages	• (English, French, German, Italian, Spanish)
Others	
Program Memory	•
Accessories	
Remote Control Unit	•
Battery	•
Power-cable	•
Audio-cable	•
Video-cable	•
RF-cable	•
SCART-cable	• (Full)
Connection Terminals	
SCART RGB/S-Video/Composite	Rear: AV1 (out)
S-Video/Composite	Rear: AV2 (in/out)
Component Y'Pb 'Pr' Video	Rear: 1 (out)
S-Video	Front: 1 (in)
	Rear: 1 (in)/1 (out)
Composite Video	Front: 1 (in)
	Rear: 1 (in)/1 (out)
Analogue Audio L/R	Front: 1 (in)
	Rear: 1 (in)/1 (out)
Digital Audio Optical	Rear: 1 (out)
Coaxial	Rear: 1 (out)
DV	Front: 1 (in/out)
Antenna	Rear: 1 (in)/1 (out:through)
Pioneer System Remote Control	Rear: 1 (in)/1 (out)

Design Audio Systems Features

	NS-11-Q	NS-11-S
SYSTEM	**XC-L11/M-L11**	**XC-L11/M-L11**
Remote Control Unit	•	•
DISPLAY		
Separate type	•	•
Main Operation Buttons	•	•
Dimmer Control	•	•
Remote Control Sensor	•	•
AMPLIFIER SECTION	**M-L11**	**M-L11**
Power (RMS, 1 kHz, 6 Ω)		
Front	30 W x 2	30 W x 2
Subwoofer	50 W	50 W
Subwoofer Level Control	• (3-step)	• (3-step)
Bass/Treble Control	•	•
L/R Balance Control	•	•
TUNER SECTION	**XC-L11**	**XC-L11**
RDS Tuner	•	•
Band (FM/AM)	•	•
Presets	30	30
Auto Tuning	•	•
Timer	• (3-mode)	• (3-mode)
CD PLAYER SECTION	**XC-L11**	**XC-L11**
Mechanism	Single Tray	Single Tray
Motorised Door	•	•
Random/Repeat Play	•/•	•/•
PGM No.	24	24
Optical Digital Output	•	•
OPTIONAL MINIDISC RECORDER	**MJ-L11**	**MJ-L11**
MDLP	•	•
Mechanism	Single slot-in	Single slot-in
Disc and Song and GROUP Title Input	•	•
Edit modes	•	•
Mono LP	•	•
Random/Repeat Play	•	•
PGM No.	24	24
Synchro REC	•	•
Digital/Analogue Input Selector	•	•
FS Converter	• (32, 44.1, 48 kHz)	• (32, 44.1, 48 kHz)
Optical Digital Input	•	•
OPTIONAL CASSETTE DECK	**CT-L11**	**CT-L11**
Horizontal Loading	Slot-in	Slot-in
Auto-Reverse	•	•
Reverse Mode Select	•	•
Dolby B NR	•	•
Music Search	•	•
Auto-tape selector (Normal/Chrome)	•	•
Tape Counter	•	•
Auto Record Level Control	•	•
Synchro REC	•	•
A.S.E.S. (Auto Synchro Editing System)		
SPEAKERS	**S-L11-Q-LRW**	**S-L11-S-LRW**
Cone Size		
Satellite	8.7 cm	8.7 cm
Subwoofer	16 cm	16 cm
Maximum Power		
Satellite	30 W	30 W
Subwoofer	50 W	50 W

Design Audio Systems Specifications

	NS-11-Q	NS-11-S
STEREO CD RECEIVER		
STEREO CD TUNER/STEREO POWER AMPLIFIER	**XC-L11/M-L11**	**XC-L11/M-L11**
Amplifier section	**M-L11**	**M-L11**
Continuous power output		
Stereo		
(RMS)	30 W x 2	30 W x 2
(DIN)	23 W x 2	23 W x 2
Subwoofer (RMS) (DIN)	50/43 W	50/43 W
Power Requirements	220 – 230 V (UK 230 V), 50/60 Hz	220 – 230 V (UK 230 V), 50/60 Hz
Power consumption: In use/standby	102/0.9 W	102/0.9 W
Dimensions (W x H x D)	190 x 80 x 267 mm	190 x 80 x 267 mm
Net weight	4 kg	4 kg
Tuner section	XC-L11	XC-L11
FM Usable Sensitivity (IHF Mono)	18.3 dBf (2.2 µV, 75 Ω)	18.3 dBf (2.2 µV, 75 Ω)
FM S/N ratio (DIN) (Mono/Stereo)	66/60 dB	66/60 dB
CD Player section	XC-L11	XC-L11
Frequency Response	4 – 20,000 Hz	4 – 20,000 Hz
S/N ratio (EIAJ)	110 dB	110 dB
Dimensions (W x H x D)	220 x 65 x 317 mm	220 x 65 x 317 mm
Net weight	2.2 kg	2.2 kg
OPTIONAL MINIDISC RECORDER	**MJ-L11**	**MJ-L11**
Frequency Response	20 – 20,000 Hz	20 – 20,000 Hz
S/N Ratio (EIAJ)	96 dB	96 dB
Power consumption	11 W	11 W
Dimensions (W x H x D)	220 x 65 x 313 mm	220 x 65 x 313 mm
Net weight	2.5 kg	2.5 kg
OPTIONAL CASSETTE DECK	**CT-L11**	**CT-L11**
Wow & Flutter (WRMS)	0.15 % (WRMS)	0.15 % (WRMS)
Frequency Response		
Type I (Normal) (± 6 dB)	20 – 16,000 Hz	20 – 16,000 Hz
Type II (Chrome) (± 6 dB)	20 – 16,000 Hz	20 – 16,000 Hz
S/N ratio		
Dolby NR OFF	53 dB	53 dB
Dolby B NR ON (at 5 kHz)	improved by 10 dB	improved by 10 dB
Dimensions (W x H x D)	220 x 65 x 313 mm	220 x 65 x 313 mm
Net weight	2.7 kg	2.7 kg
SATELLITE AND SUBWOOFER SPEAKER SYSTEM	**S-L11-Q-LRW** Satellite & subwoofer system	**S-L11-S-LRW** Satellite & subwoofer system
Cone Size		
Satellite	8.7 cm	8.7 cm
Subwoofer	16 cm	16 cm
Frequency Range		
Satellite	110 – 20,000 Hz	110 – 20,000 Hz
Subwoofer	25 – 800 Hz	25 – 800 Hz
Sensitivity (1 m/W)		
Satellite	84 dB	84 dB
Subwoofer	80.5 dB	80.5 dB
Maximum Power		
Satellite	30 W	30 W
Subwoofer	50 W	50 W
Dimensions (W x H x D)		
Satellite	125 x 228 x 70 mm	125 x 228 x 70 mm
Subwoofer	190 x 281 x 255 mm	190 x 281 x 253 mm
Net weight		
Satellite	1.0 kg	1.0 kg
Subwoofer	3.8 kg	3.7 kg
OPTIONAL CABLE	**JC-L11**	**JC-L11**
Cable Length	5 m	5 m

Hi-Fi Systems Features

	IS-22	IS-22S	X-NM1
SYSTEM			XR-NM1
Remote Control Unit	•	•	•
DISPLAY			
Dimmer Control	•	•	
AMPLIFIER SECTION	**M-IS22**	**M-IS22**	
Power (RMS, 1 kHz, 6 Ω)	100 W x 2	100 W x 2	25 W x 2
Enhance	•	•	
Sound Morphing			Sound Controller
Bass/Treble Control	• (± 4-step)	• (± 4-step)	
L/R Balance Control	•	•	
TUNER SECTION	**Included in XC-IS22CD**	**Included in XC-IS22CD**	
RDS Tuner	•	•	•
Band (FM/AM)	•	•	•
Presets	30	30	24
Auto Tuning	•	•	•
Timer	• (3-mode)	• (3-mode)	• (3-mode)
CD PLAYER SECTION	**Included in XC-IS22CD**	**Included in XC-IS22CD**	
Mechanism	Vertical	Vertical	Single Tray
Motorised Door	•	•	•
Random/Repeat Play	•/•	•/•	•/•
PGM No.	24	24	32
Optical Digital Output	•	•	
CASSETTE DECK SECTION	**Included in XC-IS22CD**	**Included in XC-IS22CD**	**Included in XR-NM1**
Horizontal Loading	•	•	
Auto-Reverse	•	•	•
Double Auto-Reverse			
Reverse Mode Select	•	•	•
Dolby B NR	•	•	
Music Search	•	•	•
Tape Counter	•	•	
Auto Record Level Control	•	•	•
A.S.E.S. (Auto Synchro Editing System)	•	•	Synchro REC
SPEAKERS	**S-IS22**	**S-IS22S**	**S-NM1**
3-Way Speaker	•	•	
2-Way Speaker			•
Woofer/Midrange/Tweeter Size	17/6.6/2 cm	17/6.6/2 cm	10/2 cm
Maximum Power	100 W	100 W	25 W

Hi-Fi Systems Specifications

	IS-22	IS-22S	X-NM1
STEREO CD RECEIVER STEREO CD TUNER/STEREO POWER AMPLIFIER	**XC-IS22CD/M-IS22**	**XC-IS22CD/M-IS22**	**XR-NM1**
Amplifier section	M-IS22	M-IS22	
Continuous power output			
Stereo			
(RMS)	100 W x 2	100 W x 2	25 W x 2
(DIN)	65 W x 2	65 W x 2	17 W x 2
(DIN MUSIC)	150 W	150 W	23 W x 2
Power Requirements	220 – 230 V, 50 – 60 Hz	220 – 230 V, 50 – 60 Hz	
Power consumption: In use/standby	140/1 W	140/1 W	
Dimensions (W x H x D)	160 x 300 x 237 mm	160 x 300 x 237 mm	166 x 243 x 315 mm
Net weight	4.1 kg	4.1 kg	6.4 kg
Tuner section	XC-IS22CD	XC-IS22CD	
FM Usable Sensitivity (IHF Mono)	14.3 dBf (1.4 µV, 75 Ω)	14.3 dBf (1.4 µV, 75 Ω)	14.3 dBf
FM S/N ratio (DIN) (Mono/Stereo)	60 dB	60 dB	60 dB
CD Player section	XC-IS22CD	XC-IS22CD	
Frequency Response	20 – 20,000 Hz	20 – 20,000 Hz	20 – 20,000 Hz
S/N ratio (EIAJ)	96 dB	96 dB	96 dB
Dimensions (W x H x D)	204 x 300 x 237 mm	204 x 300 x 237 mm	
Net weight	2.7 kg	2.7 kg	
CASSETTE DECK	**XC-IS22CD**	**XC-IS22CD**	
Wow & Flutter (WRMS)	0.1 %	0.1 %	0.2 %
Frequency Response			
Type I (Normal) (± 6 dB)	35 – 14,000 Hz	35 – 14,000 Hz	35 – 14,000 Hz
Type II (Chrome) (± 6 dB)	35 – 15,000 Hz	35 – 15,000 Hz	
S/N ratio			
Dolby NR OFF	56 dB	56 dB	56 dB
Dolby B NR ON (at 5 kHz)	improved by 10 dB	improved by 10 dB	
Dimensions (W x H x D)	included in amp section	included in amp section	
Net weight	included in amp section	included in amp section	
SPEAKERS (STEREO)	**S-IS22**	**S-IS22S**	**S-NM1**
Cone Size: Woofer/Midrange/Tweeter	17/6.6/2 cm	17/6.6/2 cm	10/2 cm
Frequency Range	40 – 20,000 Hz	40 – 20,000 Hz	55 – 20,000 Hz
Sensitivity (1 m/W)	85 dB/W	85 dB/W	85 dB/W
Maximum Power	100 W	100 W	25 W
Dimensions (W x H x D)	215 x 372 x 274 mm	195 x 301.5 x 331 mm	130 x 240 x 235 mm
Net Weight	4.1 kg	3.9 kg	1.9 kg

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